



Framework

7

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About the Tutorial

Framework7 is a free and open source framework for mobile HTML. It is used for developing hybrid mobile apps or web apps for iOS and Android devices.

This tutorial will teach you basic Framework7 and will also take you through some detailed concepts.

Audience

This tutorial has been prepared for the beginners to help them understand basic Framework7. After completing this tutorial, you will find yourself at a moderate level of expertise in Framework7 from where you can take yourself to next levels.

Prerequisites

Framework7 is based on HTML5 and JavaScript programming language, so if you have basic understanding on JavaScript programming and HTML5 then it will be a fun to learn.

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1. FRAMEWORK7 – OVERVIEW

Framework7 is a free and open source framework for mobile HTML. It is used for developing hybrid mobile apps or web apps for iOS and Android devices.

Framework7 was introduced in the year 2014. The latest version 1.4.2 was released in February 2016 licensed under MIT.

Why Use Framework7?

- It is easier to develop apps for iOS and Android.
- The learning curve for Framework7 is very easy.
- It has many pre-styled widgets/components.
- It has built-in helper libraries.

Features

- Framework7 is an open source and free to use framework.
- Framework7 has easy and familiar jQuery syntax to get started without any delay.
- To control click delay for touch UI's, Framework7 has built-in *FastClick* library.
- Framework7 has built-in grid system layout for arranging your elements responsively.
- Framework7 dynamically loads pages from templates via *flexible router api*.

Advantages

- Framework7 is not dependent on any third party library even for DOM manipulation. Instead, it has its own custom DOM7.
- Framework7 can also be used with *Angular* and *React* frameworks.
- You can start creating apps once you know HTML, CSS and some basic JavaScript.
- It supports faster development via *Bower*.
- It is easy to develop apps for iOS and Android without learning it.

Disadvantages

8

- Framework7 only supports platforms like iOS and Android.
- The online community support for Framework7 framework is less compared to iOS and Andriod.

2. FRAMEWORK7 – ENVIRONMENT

In this chapter, we will discuss about how to install and setup Framework7.

You can download the Framework7 in two ways:

Download from [Framework7 Github repository](#)

You can install the Framework7, using Bower as shown below:

```
bower install framework7
```

After successful installation of Framework7, you need to follow the below given steps to make use of Framework7 in your application:

Step 1: You need to install **gulp-cli** to build development and dist versions of Framework7 by using the following command:

```
npm install gulp-cli
```

The *cli* stands for Command Line Utility for Gulp.

Step 2: The Gulp must be installed globally by using the following command:

```
npm install --global gulp
```

Step 3: Next, install the NodeJS package manager, which installs the node programs that makes it easier to specify and link dependencies. The following command is used to install the npm:

```
npm install
```

Step 4: The development version of Framework7 can be built by using the following command:

```
npm build
```

Step 5: Once you build the development version of Framework7, start building the app from *dist/* folder by using the following command:

```
npm dist
```

Step 6: Keep your app folder in the server and run the following command for navigation between pages of your app:

```
gulp server
```

Download Framework7 Library from CDNs

A CDN or Content Delivery Network is a network of servers designed to serve files to users. If you use a CDN link in your web page, it moves the responsibility of hosting files from your own servers to a series of external ones. This also offers an advantage that if a visitor to your webpage has already downloaded a copy of Framework7 from the same CDN, it won't have to be re-downloaded. You can include the following CDN files into the HTML document.

The following CDNs are used in an **iOS App layout**:

```
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7-ios.min.css">
```

It is used to include Framework7 iOS CSS Library to your application.

```
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7-ios-colors.min.css">
```

It is used to include Framework7 iOS related color styles to your application.

The following CDNs are used in **Android/Material App Layout**:

```
<script
      src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
    ></script>
```

It is used to include Framework7 JS library to your application.

```
<script
      src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7-material.min.css"
    ></script>
```

It is used to include Framework7 Material styling to your application.

We are using the CDN versions of the library throughout this tutorial. We use AMPPS(AMPPS is a WAMP, MAMP and LAMP stack of Apache, MySQL, MongoDB, PHP, Perl & Python) server to execute all our examples.

Example

The following example demonstrates the use of simple application in the Framework7, which will display the alert box with the customized message when you click on the navigation bar.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>My App</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
  </head>
  <body>
    //you can control the background color of the Status bar
    <div class="statusbar-overlay"></div>
    <div class="panel-overlay"></div>
    <div class="panel panel-right panel-reveal">
      <div class="content-block">
        <p>Contents goes here...</p>
      </div>
    </div>
    <div class="views">
      <div class="view view-main">
        <div class="navbar">
          <div class="navbar-inner">
            <div class="center sliding">My App</div>
            <div class="right">
              <a href="#" class="link icon-only open-panel"><i class="icon-bars"></i></a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>

```

```
</div>
</div>
<div class="pages navbar-through toolbar-through">
    <div data-page="index" class="page">
        <div class="page-content">
            <p>This is simple application...</p>
            <div class="list-block">
                <ul>
                    <li>
                        <a href="envirmnt_about.html" class="">
                            <div class="item-content">
                                <div class="item-inner">
                                    <div class="item-title">Blog</div>
                                </div>
                            </div>
                        </a>
                    </li>
                </ul>
            </div>
        </div>
    </div>
    <div class="toolbar">
        <div class="toolbar-inner">
            <a href="#" class="link">First Link</a>
            <a href="#" class="link">Second Link</a>
        </div>
    </div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
```

```

// here initialize the app
var myApp = new Framework7();

// If your using custom DOM library, then save it to $$ variable
var $$ = Dom7;

// Add the view
var mainView = myApp.addView('.view-main', {
    // enable the dynamic navbar for this view:
    dynamicNavbar: true
});

//use the 'pageInit' event handler for all pages
$$(<document>).on('pageInit', function (e) {
    //get page data from event data
    var page = e.detail.page;

    if (page.name === 'blog') {
        // you will get below message in alert box when page with data-page
        attribute is equal to "about"
        myApp.alert('Here its your About page');
    }
})
</script>
</body>
</html>

```

Next, create one more HTML page i.e. ***envirmnt_about.html*** as shown below:

envirmnt_about.html

```

<div class="navbar">
    <div class="navbar-inner">
        <div class="left">
            <a href="#" class="back link">

```

```

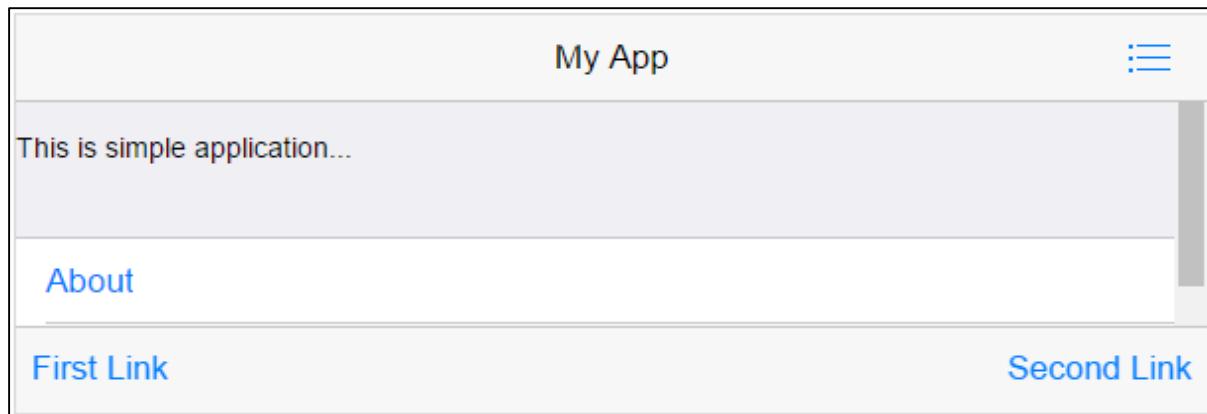
<i class="icon icon-back"></i>
<span>Back</span>
</a>
</div>
<div class="center sliding">My Blog</div>
<div class="right">
  <a href="#" class="link icon-only open-panel"><i class="icon icon-bars"></i></a>
</div>
</div>
<div class="pages">
  <div data-page="blog" class="page">
    <div class="page-content">
      <div class="content-block">
        <h2>My Blog</h2>
        <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.</p>
      </div>
    </div>
  </div>
</div>
</div>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above HTML code as **framework7_environment.html** file in your server root folder.
- Open this HTML file as http://localhost/framework7_environment.html and output is displayed as shown below.
- When you click on the navigation bar, it will display the alert box with the customized message.



Framework7 Components

3. FRAMEWORK7 – LAYOUT

Description

Framework7 provides different types of layouts for your application. It supports three types of Navbar/Toolbar layouts:

S. No.	Layout Types & Description
1	Static Layout The static layout is most often used layout-type and includes navbar and toolbar, which can be a scrollable page content and each page contains its own navbar and toolbar.
2	Fixed Layout Fixed layout includes its own navbar and toolbar, which can be visible on screen and cannot be scrollable on page.
3	Through Layout In this layout, the navbar and the toolbar appears fixed for all pages within single view.
4	Mixed Layout You can mix the different types of layouts in the single view.

No Navbar/Toolbar

If you do not want to use navbar and toolbar, then do not include appropriate classes (*navbar-fixed*, *navbar-through*, *toolbar-fixed*, *toolbar-through*) to page/pages/view.

Framework7 – Static Layout

Description

The Framework7 static layout is rarely used layout type. It includes Navbar and Toolbar as part of scrollable page content.

Example

The following example demonstrates the use of static layout in the Framework7. The Navbar and Toolbar will disappear as you scroll and does not appear to be fixed.

```
<!DOCTYPE html>
<html>
```

```

<head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-
scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Static Layout</title>
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.m
in.css">
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.c
olors.min.css">
</head>
<body>
    <div class="views">
        <div class="view view-main">
            <div class="pages">
                <div data-page="index" class="page">
                    <div class="page-content">
                        <div class="navbar">
                            <div class="navbar-inner">
                                <div class="left"></div>
                                <div class="center">Static Navbar</div>
                                <div class="right"></div>
                            </div>
                        </div>
                        <div class="content-block">
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
                            <p>Donec et nulla auctor massa pharetra adipiscing ut sit
amet sem. Suspendisse molestie velit vitae mattis tincidunt. Ut sit amet quam
mollis, vulputate turpis vel, sagittis felis. Vestibulum ornare ut eros vitae
adipiscing. Vestibulum volutpat justo enim, ullamcorper vulputate sapien lacinia
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

vel. Integer sed justo ultrices augue tincidunt dictum eu vel orci. Mauris sodales auctor diam vel condimentum.</p>

<p>Praesent mauris purus, faucibus vel hendrerit at, dapibus quis lorem. Sed placerat fermentum blandit. Suspendisse potenti. Cras sollicitudin laoreet tellus, ut gravida leo eleifend convallis. Sed pharetra nisl quis libero fermentum pharetra. Cras lacinia quam turpis, eget varius risus interdum sit amet. Quisque laoreet tortor dui, vitae accumsan lacus fringilla in. Quisque consequat placerat risus, non ornare felis scelerisque quis. Sed adipiscing diam tellus, vel faucibus mauris rhoncus vel. Vestibulum eu ultrices tortor, non suscipit lorem. Mauris tellus nulla, volutpat quis lacus eu, scelerisque adipiscing dui. Nullam nec tempor sem, nec pulvinar sapien. Etiam blandit condimentum vehicula.</p>

<p>Praesent nec imperdiet diam. Maecenas vel lectus porttitor, consectetur magna nec, viverra sem. Aliquam sed risus dolor. Morbi tincidunt ut libero id sodales. Integer blandit varius nisi quis consectetur. Nulla pellentesque elementum ligula vitae porta. Nunc sollicitudin mi quis mi mattis cursus. Nulla diam felis, ullamcorper eget lacinia ac, auctor id velit. Fusce enim nunc, egestas a augue vitae, malesuada tincidunt risus. Nullam fringilla, enim nec porta iaculis, enim leo pharetra nunc, eget rutrum tortor dui et risus. Etiam sit amet molestie dolor. Curabitur ultrices justo ut augue ornare, vel pharetra libero adipiscing. Duis rhoncus a felis ac venenatis. Duis posuere non leo vitae tincidunt. Integer luctus arcu ut risus posuere, vel vehicula ipsum elementum. Duis et cursus sapien. </p>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacinia eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>

```

        </div>
        <div class="toolbar">
            <div class="toolbar-inner">
                <a href="#" class="link">First Link</a>
                <a href="#" class="link">Second Link</a>
            </div>
        </div>
    </div>
</div>

```

```

    </div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
// here initialize the app
var myApp = new Framework7();

// If your using custom DOM library, then save it to $$ variable
var $$ = Dom7;
// Add the view
var mainView = myApp.addView('.view-main', {
// enable the dynamic navbar for this view:
dynamicNavbar: true
});
</script>
</body>
</html>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **static_layout.html** file in your server root folder.
- Open this HTML file as http://localhost/static_layout.html and the output is displayed as shown below.
- The static layout includes Navbar and Toolbar as parts of scrollable page content and each page has its own Navbar and Toolbar.

Static Navbar

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.

Framework7 – Fixed Layout

Description

In this layout, the Navbar and Toolbar will be fixed and cannot be scrollable on page. Each page can also have its own Navbar and Toolbar.

Example

The following example demonstrates the use of fixed layout in the Framework7. The Navbar and Toolbar in the following example appears to be fixed.

First, we will create our **fixed_layout.html** file.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Fixed Layout</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
```

```

</head>
<body>

  <div class="views">
    <div class="view view-main">
      <div class="pages">
        <div data-page="home" class="page navbar-fixed toolbar-fixed">
          <div class="navbar">
            <div class="navbar-inner">
              <div class="left"></div>
              <div class="center">Fixed Navbar</div>
              <div class="right"></div>
            </div>
          </div>
          <div class="page-content">
            <div class="content-block">
              <p> <a href="fixed_layout-services.html">Services page</a></p>
              <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
              <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
              <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</body>

```

```

<div class="toolbar">
    <div class="toolbar-inner"> <a href="#" class="link">Link
1</a><a href="#" class="link">Link 1</a></div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
    var myApp = new Framework7();
    var mainView = myApp.addView('.view');
</script>
</body>
</html>

```

Next, create the HTML page i.e. ***fixed_layout-services.html*** as shown below:

fixed_layout-services.html

```

<div class="views">
    <div class="view view-main">
        <div class="pages">
            <div data-page="services" class="page navbar-fixed toolbar-fixed">
                <div class="navbar">
                    <div class="navbar-inner">
                        <div class="center">Services Page</div>
                    </div>
                </div>
                <div class="page-content">
                    <div class="content-block">
                        <p> <a href="bars-fixed-index.html" class="back">Go back to Home
page</a></p>
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec

```

```

hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

```

```

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

```

```

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

```

```

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

```

```

</div>
</div>
<div class="toolbar">
    <div class="toolbar-inner"> <a href="#" class="link">Service link 1</a><a href="#" class="link">Service link 2</a></div>
</div>
</div>
</div>
</div>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **fixed_layout.html** file in your server root folder.

- Open this HTML file as `http://localhost/fixed_layout.html` and the output is displayed as shown below.
- When you scroll the page, Navbar and Toolbar will be fixed and they are visible on the screen.



You can create separate pages for all of the footer links.

Framework7 – Through Layout

Description

In this layout, the navbar and toolbar appears fixed for all pages within single view.

Example

The following example demonstrates the use of through layout in Framework7. The Navbar and Toolbar will be fixed and remains the same for all the pages.

First, we will create our **through_layout.html** file.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Through Layout</title>
```

```

        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.m
in.css">
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.c
olors.min.css">
    </head>
<body>
    <div class="views">
        <div class="view view-main">
            <div class="navbar">
                <div class="navbar-inner">
                    <div class="left"></div>
                    <div class="center sliding">Through Navbar</div>
                    <div class="right"></div>
                </div>
            </div>
            <div class="pages navbar-through toolbar-through">
                <div data-page="home" class="page">
                    <div data-page="home" class="page-content">
                        <div class="content-block">
                            <p> <a href="through-services.html">Services page</a></p>
                            <p>Praesent nec imperdiet diam. Maecenas vel lectus
porttitor, consectetur magna nec, viverra sem. Aliquam sed risus dolor. Morbi
tincidunt ut libero id sodales. Integer blandit varius nisi quis consectetur.
Nulla pellentesque elementum ligula vitae porta. Nunc sollicitudin mi quis mi
mattis cursus. Nulla diam felis, ullamcorper eget lacinia ac, auctor id velit.
Fusce enim nunc, egestas a augue vitae, malesuada tincidunt risus. Nullam
fringilla, enim nec porta iaculis, enim leo pharetra nunc, eget rutrum tortor dui
et risus. Etiam sit amet molestie dolor. Curabitur ultrices justo ut augue ornare,
vel pharetra libero adipiscing. Duis rhoncus a felis ac venenatis. Duis posuere
non leo vitae tincidunt. Integer luctus arcu ut risus posuere, vel vehicula ipsum
elementum. Duis et cursus sapien. </p>
                            <p>Praesent mauris purus, faucibus vel hendrerit at,
dapibus quis lorem. Sed placerat fermentum blandit. Suspendisse potenti. Cras
sollicitudin laoreet tellus, ut gravida leo eleifend convallis. Sed pharetra nisl
quis libero fermentum pharetra. Cras lacinia quam turpis, eget varius risus
interdum sit amet. Quisque laoreet tortor dui, vitae accumsan lacus fringilla in.
Quisque consequat placerat risus, non ornare felis scelerisque quis. Sed
adipiscing diam tellus, vel faucibus mauris rhoncus vel. Vestibulum eu ultrices

```

tortor, non suscipit lorem. Mauris tellus nulla, volutpat quis lacus eu, scelerisque adipiscing dui. Nullam nec tempor sem, nec pulvinar sapien. Etiam blandit condimentum vehicula.</p>

<p>Praesent nec imperdiet diam. Maecenas vel lectus porttitor, consectetur magna nec, viverra sem. Aliquam sed risus dolor. Morbi tincidunt ut libero id sodales. Integer blandit varius nisi quis consectetur. Nulla pellentesque elementum ligula vitae porta. Nunc sollicitudin mi quis mi mattis cursus. Nulla diam felis, ullamcorper eget lacinia ac, auctor id velit. Fusce enim nunc, egestas a augue vitae, malesuada tincidunt risus. Nullam fringilla, enim nec porta iaculis, enim leo pharetra nunc, eget rutrum tortor dui et risus. Etiam sit amet molestie dolor. Curabitur ultrices justo ut augue ornare, vel pharetra libero adipiscing. Duis rhoncus a felis ac venenatis. Duis posuere non leo vitae tincidunt. Integer luctus arcu ut risus posuere, vel vehicula ipsum elementum. Duis et cursus sapien. </p>

<p>Praesent mauris purus, faucibus vel hendrerit at, dapibus quis lorem. Sed placerat fermentum blandit. Suspendisse potenti. Cras sollicitudin laoreet tellus, ut gravida leo eleifend convallis. Sed pharetra nisl quis libero fermentum pharetra. Cras lacinia quam turpis, eget varius risus interdum sit amet. Quisque laoreet tortor dui, vitae accumsan lacus fringilla in. Quisque consequat placerat risus, non ornare felis scelerisque quis. Sed adipiscing diam tellus, vel faucibus mauris rhoncus vel. Vestibulum eu ultrices tortor, non suscipit lorem. Mauris tellus nulla, volutpat quis lacus eu, scelerisque adipiscing dui. Nullam nec tempor sem, nec pulvinar sapien. Etiam blandit condimentum vehicula.</p>

<p>Praesent nec imperdiet diam. Maecenas vel lectus porttitor, consectetur magna nec, viverra sem. Aliquam sed risus dolor. Morbi tincidunt ut libero id sodales. Integer blandit varius nisi quis consectetur. Nulla pellentesque elementum ligula vitae porta. Nunc sollicitudin mi quis mi mattis cursus. Nulla diam felis, ullamcorper eget lacinia ac, auctor id velit. Fusce enim nunc, egestas a augue vitae, malesuada tincidunt risus. Nullam fringilla, enim nec porta iaculis, enim leo pharetra nunc, eget rutrum tortor dui et risus. Etiam sit amet molestie dolor. Curabitur ultrices justo ut augue ornare, vel pharetra libero adipiscing. Duis rhoncus a felis ac venenatis. Duis posuere non leo vitae tincidunt. Integer luctus arcu ut risus posuere, vel vehicula ipsum elementum. Duis et cursus sapien. </p>

<p>Praesent mauris purus, faucibus vel hendrerit at, dapibus quis lorem. Sed placerat fermentum blandit. Suspendisse potenti. Cras sollicitudin laoreet tellus, ut gravida leo eleifend convallis. Sed pharetra nisl quis libero fermentum pharetra. Cras lacinia quam turpis, eget varius risus interdum sit amet. Quisque laoreet tortor dui, vitae accumsan lacus fringilla in. Quisque consequat placerat risus, non ornare felis scelerisque quis. Sed adipiscing diam tellus, vel faucibus mauris rhoncus vel. Vestibulum eu ultrices tortor, non suscipit lorem. Mauris tellus nulla, volutpat quis lacus eu, scelerisque adipiscing dui. Nullam nec tempor sem, nec pulvinar sapien. Etiam blandit condimentum vehicula.</p>

</div>

</div>

```

        </div>
    </div>
    <div class="toolbar">
        <div class="toolbar-inner"> <a href="#" class="link">Link 1</a><a href="#" class="link">Link 2</a></div>
    </div>
    </div>
    </div>
    <script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
    <script>
        var myApp = new Framework7();
        var mainView = myApp.addView('.view');
    </script>
</body>
</html>

```

Next, create the HTML page i.e. ***through-services.html*** as shown below:

```

<div class="views">
    <div class="view view-main">
        <div class="pages">
            <div data-page="services" class="page navbar-through toolbar-through">
                <div class="navbar">
                    <div class="navbar-inner">
                        <div class="center">Services Page</div>
                    </div>
                </div>
                <div class="page-content">
                    <div class="content-block">
                        <p> <a href="through_layout.html" class="back">Go back to Home page</a></p>
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed

```

```
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
</div>
</div>
<div class="toolbar">
    <div class="toolbar-inner"> <a href="#" class="link">Link 1</a><a href="#" class="link">Link 2</a></div>
</div>
</div>
</div>
</div>
```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **through_layout.html** file in your server root folder.

- Open this HTML file as `http://localhost/through_layout.html` and the output is displayed as shown below.
- When you scroll the page, Navbar and Toolbar will be fixed and stay the same through all pages within single View.

The screenshot shows a mobile application interface. At the top is a fixed navigation bar with the title "Through Navbar". Below the navbar is a toolbar with two buttons: "Hello" on the left and "World" on the right. The main content area contains a block of Latin text: "Praesent nec imperdiet diam. Maecenas vel lectus porttitor, consectetur magna nec, viverra sem. Aliquam sed risus dolor. Morbi tincidunt ut libero id sodales. Integer blandit varius nisi quis consectetur. Nulla pellentesque elementum ligula vitae porta. Nunc sollicitudin mi quis mi mattis cursus. Nulla diam felis, ullamcorper eget lacinia ac, auctor".

Framework7 – Mixed Layout

Description

You can mix the different types of layouts in the single view.

Example

The following example demonstrates the use of mixed layout in the Framework7. The Navbars and Toolbars can have mixed layout like `fixed navbar` and `through toolbar` as shown below:

First, we will create our **`mixed_layout.html`** file.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>My App</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
```

```

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">

</head>
<body>

<div class="views">
    <div class="view view-main">
        <div class="navbar">
            <div class="navbar-inner">
                <div class="center sliding">Mixed Navbar</div>
            </div>
        </div>
        <div class="pages navbar-fixed toolbar-through">
            <div data-page="index" class="page">
                <div class="page-content">
                    <div class="list-block">
                        <ul>
                            <li>
                                <a href="/framework7/src/mixed_layout-services.html"
class="">
                                    <div class="item-content">
                                        <div class="item-inner">
                                            <div class="item-title">Go to Services
page</div>
                                        </div>
                                    </div>
                                </a>
                            </li>
                        </ul>
                    </div>
                    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
egest ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

```

```

        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
egest ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
    </div>
</div>
</div>
<div class="toolbar">
    <div class="toolbar-inner">
        <a href="#" class="link">First Link</a>
        <a href="#" class="link">Second Link</a>
    </div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
// here initialize the app
var myApp = new Framework7();

// If your using custom DOM library, then save it to $$ variable
var $$ = Dom7;

// Add the view
var mainView = myApp.addView('.view-main', {
    // enable the dynamic navbar for this view:
    dynamicNavbar: true
});
</script>
</body>
</html>
```

Next, create one more HTML page i.e. *mixed_layout-services.html* as shown below:

```
<div class="navbar">
    <div class="navbar-inner">
        <div class="center sliding">Services</div>
    </div>
</div>
<div class="pages">
    <div data-page="services" class="page">
        <div class="page-content">
            <div class="content-block">
                <br>
                <h2>Our Services</h2>
                <ul>
                    <li>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.</li>
                    <li>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris.</li>
                    <li>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</li>
                    <li>Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit.</li>
                    <li>At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et.</li>
                    <li>Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id.</li>
                </ul>
                <p>Go <a href="#" class="back">back</a> to home page.</p>
            </div>
        </div>
    </div>
</div>
```

Output

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Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **mixed_layout.html** file in your server root folder.
- Open this HTML file as http://localhost/mixed_layout.html and the output is displayed as shown below.
- You can see that the navbar is fixed and through layout is applied to toolbar.

The screenshot displays a mobile application interface. At the top, there is a fixed navigation bar with the title "Mixed Navbar". Below the navbar, the main content area contains a blue link labeled "Go to Services page". Further down, there is a text block with placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus". At the bottom of the screen, there are two blue links: "First Link" on the left and "Second Link" on the right.

4. FRAMEWORK7 – NAVBARS

Description

In this chapter, let us study about *navbar*. It is usually placed at top of a screen containing title of the page and navigation elements.

Navbar consists of three parts each of which may contain any HTML content, but it is suggested you use these in the way given below:

- **Left:** It is designed to place *back link* icons or single text link.
- **Center:** It is used to display title of the page or tab links.
- **Right:** This part is similar to the *left* part.

The following table demonstrates the use of *navbar* in detail:

S. No.	Navbar Types & Description
1	Basic navbar A basic navbar can be created by using the <i>navbar</i> , <i>navbar-inner</i> , <i>left</i> , <i>center</i> and <i>right</i> classes.
2	Navbar with links To use links in <i>left</i> and <i>right</i> part of your navbar, just add <i><a></i> tag with class <i>link</i> .
3	Multiple links To use multiple links, just add few more <i></i> to the part of your choice.
4	Links with text and icons The links can be provided with icons and texts by adding classes for icons and wrapping the link text with <i></i> element.
5	Links with only icons Navbar links can be provided with only icons by adding <i>icon-only</i> class to links.
6	Related app and view methods On initializing the <i>View</i> , framework7 allows you to use methods available for navbar.
7	Hide navbar automatically The navbar can be hidden/shown automatically for some Ajax loaded pages where navbar is not required.

Framework7 – Basic Navbar

Description

A basic navbar can be created by using the `navbar`, `navbar-inner`, `left`, `center` and `right` classes.

The `center` part has the lowest width priority, when screen size is reduced. If all the three elements (i.e., `center`, `left` and `right`) do not fit into the screen, then the `center` part will be removed.

Example

The following example demonstrates the use of navbar in Framework7:

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
  </head>
  <body>
    <div class="views">
      <div class="view view-main">
        <div class="navbar">
          <div class="navbar-inner">
            <div class="left">Left</div>
            <div class="center">Center</div>
            <div class="right">Right</div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

```

    </div>
    <div class="pages navbar-through">
        <div data-page="index" class="page">
            <div class="page-content">
                <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
                <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
            </div>
        </div>
    </div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"></script>
</body>
</html>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given HTML code as **navbar_basic.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_basic.html and the output is displayed as shown below.
- The basic navbar 3 parts such as left, Center and Right and each part includes any HTML content.

Left	Center	Right
<p data-bbox="336 272 514 348">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>		

Framework7 – Navbar with Links

Description

To use links in *left* and *right* part of your navbar, just add `<a>` tag with class *link*.

Example

The following example displays the links at the top left and right corner sides in Framework7:

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar With Links</title>
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.m
in.css">
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.c
olors.min.css">
  </head>
  <body>
    <div class="views">
      <div class="view view-main">
```

```

<div class="navbar">
<div class="navbar-inner">
    <div class="left">
        <a href="#" class="link">Left Link</a>
    </div>
    <div class="center">Center</div>
    <div class="right">
        <a href="#" class="link">Right Link</a>
    </div>
</div>
<div class="pages navbar-through ">
    <div data-page="index" class="page">
        <div class="page-content">
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
        </div>
    </div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
</body>
</html>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **navbar_links.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_links.html and the output is displayed as shown below.
- The navbar provides links in the left and right part of the page.

Left Link	Center	Right Link
	<p>Left Link</p> <p>Link 1</p> <p>Link 2</p> <p>Link 3</p> <p>Link 4</p> <p>Link 5</p> <p>Link 6</p> <p>Link 7</p> <p>Link 8</p> <p>Link 9</p> <p>Link 10</p> <p>Link 11</p> <p>Link 12</p> <p>Link 13</p> <p>Link 14</p> <p>Link 15</p> <p>Link 16</p> <p>Link 17</p> <p>Link 18</p> <p>Link 19</p> <p>Link 20</p> <p>Link 21</p> <p>Link 22</p> <p>Link 23</p> <p>Link 24</p> <p>Link 25</p> <p>Link 26</p> <p>Link 27</p> <p>Link 28</p> <p>Link 29</p> <p>Link 30</p> <p>Link 31</p> <p>Link 32</p> <p>Link 33</p> <p>Link 34</p> <p>Link 35</p> <p>Link 36</p> <p>Link 37</p> <p>Link 38</p> <p>Link 39</p> <p>Link 40</p> <p>Link 41</p> <p>Link 42</p> <p>Link 43</p> <p>Link 44</p> <p>Link 45</p> <p>Link 46</p> <p>Link 47</p> <p>Link 48</p> <p>Link 49</p> <p>Link 50</p> <p>Link 51</p> <p>Link 52</p> <p>Link 53</p> <p>Link 54</p> <p>Link 55</p> <p>Link 56</p> <p>Link 57</p> <p>Link 58</p> <p>Link 59</p> <p>Link 60</p> <p>Link 61</p> <p>Link 62</p> <p>Link 63</p> <p>Link 64</p> <p>Link 65</p> <p>Link 66</p> <p>Link 67</p> <p>Link 68</p> <p>Link 69</p> <p>Link 70</p> <p>Link 71</p> <p>Link 72</p> <p>Link 73</p> <p>Link 74</p> <p>Link 75</p> <p>Link 76</p> <p>Link 77</p> <p>Link 78</p> <p>Link 79</p> <p>Link 80</p> <p>Link 81</p> <p>Link 82</p> <p>Link 83</p> <p>Link 84</p> <p>Link 85</p> <p>Link 86</p> <p>Link 87</p> <p>Link 88</p> <p>Link 89</p> <p>Link 90</p> <p>Link 91</p> <p>Link 92</p> <p>Link 93</p> <p>Link 94</p> <p>Link 95</p> <p>Link 96</p> <p>Link 97</p> <p>Link 98</p> <p>Link 99</p> <p>Link 100</p> <p>Link 101</p> <p>Link 102</p> <p>Link 103</p> <p>Link 104</p> <p>Link 105</p> <p>Link 106</p> <p>Link 107</p> <p>Link 108</p> <p>Link 109</p> <p>Link 110</p> <p>Link 111</p> <p>Link 112</p> <p>Link 113</p> <p>Link 114</p> <p>Link 115</p> <p>Link 116</p> <p>Link 117</p> <p>Link 118</p> <p>Link 119</p> <p>Link 120</p> <p>Link 121</p> <p>Link 122</p> <p>Link 123</p> <p>Link 124</p> <p>Link 125</p> <p>Link 126</p> <p>Link 127</p> <p>Link 128</p> <p>Link 129</p> <p>Link 130</p> <p>Link 131</p> <p>Link 132</p> <p>Link 133</p> <p>Link 134</p> <p>Link 135</p> <p>Link 136</p> <p>Link 137</p> <p>Link 138</p> <p>Link 139</p> <p>Link 140</p> <p>Link 141</p> <p>Link 142</p> <p>Link 143</p> <p>Link 144</p> <p>Link 145</p> <p>Link 146</p> <p>Link 147</p> <p>Link 148</p> <p>Link 149</p> <p>Link 150</p> <p>Link 151</p> <p>Link 152</p> <p>Link 153</p> <p>Link 154</p> <p>Link 155</p> <p>Link 156</p> <p>Link 157</p> <p>Link 158</p> <p>Link 159</p> <p>Link 160</p> <p>Link 161</p> <p>Link 162</p> <p>Link 163</p> <p>Link 164</p> <p>Link 165</p> <p>Link 166</p> <p>Link 167</p> <p>Link 168</p> <p>Link 169</p> <p>Link 170</p> <p>Link 171</p> <p>Link 172</p> <p>Link 173</p> <p>Link 174</p> <p>Link 175</p> <p>Link 176</p> <p>Link 177</p> <p>Link 178</p> <p>Link 179</p> <p>Link 180</p> <p>Link 181</p> <p>Link 182</p> <p>Link 183</p> <p>Link 184</p> <p>Link 185</p> <p>Link 186</p> <p>Link 187</p> <p>Link 188</p> <p>Link 189</p> <p>Link 190</p> <p>Link 191</p> <p>Link 192</p> <p>Link 193</p> <p>Link 194</p> <p>Link 195</p> <p>Link 196</p> <p>Link 197</p> <p>Link 198</p> <p>Link 199</p> <p>Link 200</p> <p>Link 201</p> <p>Link 202</p> <p>Link 203</p> <p>Link 204</p> <p>Link 205</p> <p>Link 206</p> <p>Link 207</p> <p>Link 208</p> <p>Link 209</p> <p>Link 210</p> <p>Link 211</p> <p>Link 212</p> <p>Link 213</p> <p>Link 214</p> <p>Link 215</p> <p>Link 216</p> <p>Link 217</p> <p>Link 218</p> <p>Link 219</p> <p>Link 220</p> <p>Link 221</p> <p>Link 222</p> <p>Link 223</p> <p>Link 224</p> <p>Link 225</p> <p>Link 226</p> <p>Link 227</p> <p>Link 228</p> <p>Link 229</p> <p>Link 230</p> <p>Link 231</p> <p>Link 232</p> <p>Link 233</p> <p>Link 234</p> <p>Link 235</p> <p>Link 236</p> <p>Link 237</p> <p>Link 238</p> <p>Link 239</p> <p>Link 240</p> <p>Link 241</p> <p>Link 242</p> <p>Link 243</p> <p>Link 244</p> <p>Link 245</p> <p>Link 246</p> <p>Link 247</p> <p>Link 248</p> <p>Link 249</p> <p>Link 250</p> <p>Link 251</p> <p>Link 252</p> <p>Link 253</p> <p>Link 254</p> <p>Link 255</p> <p>Link 256</p> <p>Link 257</p> <p>Link 258</p> <p>Link 259</p> <p>Link 260</p> <p>Link 261</p> <p>Link 262</p> <p>Link 263</p> <p>Link 264</p> <p>Link 265</p> <p>Link 266</p> <p>Link 267</p> <p>Link 268</p> <p>Link 269</p> <p>Link 270</p> <p>Link 271</p> <p>Link 272</p> <p>Link 273</p> <p>Link 274</p> <p>Link 275</p> <p>Link 276</p> <p>Link 277</p> <p>Link 278</p> <p>Link 279</p> <p>Link 280</p> <p>Link 281</p> <p>Link 282</p> <p>Link 283</p> <p>Link 284</p> <p>Link 285</p> <p>Link 286</p> <p>Link 287</p> <p>Link 288</p> <p>Link 289</p> <p>Link 290</p> <p>Link 291</p> <p>Link 292</p> <p>Link 293</p> <p>Link 294</p> <p>Link 295</p> <p>Link 296</p> <p>Link 297</p> <p>Link 298</p> <p>Link 299</p> <p>Link 300</p> <p>Link 301</p> <p>Link 302</p> <p>Link 303</p> <p>Link 304</p> <p>Link 305</p> <p>Link 306</p> <p>Link 307</p> <p>Link 308</p> <p>Link 309</p> <p>Link 310</p> <p>Link 311</p> <p>Link 312</p> <p>Link 313</p> <p>Link 314</p> <p>Link 315</p> <p>Link 316</p> <p>Link 317</p> <p>Link 318</p> <p>Link 319</p> <p>Link 320</p> <p>Link 321</p> <p>Link 322</p> <p>Link 323</p> <p>Link 324</p> <p>Link 325</p> <p>Link 326</p> <p>Link 327</p> <p>Link 328</p> <p>Link 329</p> <p>Link 330</p> <p>Link 331</p> <p>Link 332</p> <p>Link 333</p> <p>Link 334</p> <p>Link 335</p> <p>Link 336</p> <p>Link 337</p> <p>Link 338</p> <p>Link 339</p> <p>Link 340</p> <p>Link 341</p> <p>Link 342</p> <p>Link 343</p> <p>Link 344</p> <p>Link 345</p> <p>Link 346</p> <p>Link 347</p> <p>Link 348</p> <p>Link 349</p> <p>Link 350</p> <p>Link 351</p> <p>Link 352</p> <p>Link 353</p> <p>Link 354</p> <p>Link 355</p> <p>Link 356</p> <p>Link 357</p> <p>Link 358</p> <p>Link 359</p> <p>Link 360</p> <p>Link 361</p> <p>Link 362</p> <p>Link 363</p> <p>Link 364</p> <p>Link 365</p> <p>Link 366</p> <p>Link 367</p> <p>Link 368</p> <p>Link 369</p> <p>Link 370</p> <p>Link 371</p> <p>Link 372</p> <p>Link 373</p> <p>Link 374</p> <p>Link 375</p> <p>Link 376</p> <p>Link 377</p> <p>Link 378</p> <p>Link 379</p> <p>Link 380</p> <p>Link 381</p> <p>Link 382</p> <p>Link 383</p> <p>Link 384</p> <p>Link 385</p> <p>Link 386</p> <p>Link 387</p> <p>Link 388</p> <p>Link 389</p> <p>Link 390</p> <p>Link 391</p> <p>Link 392</p> <p>Link 393</p> <p>Link 394</p> <p>Link 395</p> <p>Link 396</p> <p>Link 397</p> <p>Link 398</p> <p>Link 399</p> <p>Link 400</p> <p>Link 401</p> <p>Link 402</p> <p>Link 403</p> <p>Link 404</p> <p>Link 405</p> <p>Link 406</p> <p>Link 407</p> <p>Link 408</p> <p>Link 409</p> <p>Link 410</p> <p>Link 411</p> <p>Link 412</p> <p>Link 413</p> <p>Link 414</p> <p>Link 415</p> <p>Link 416</p> <p>Link 417</p> <p>Link 418</p> <p>Link 419</p> <p>Link 420</p> <p>Link 421</p> <p>Link 422</p> <p>Link 423</p> <p>Link 424</p> <p>Link 425</p> <p>Link 426</p> <p>Link 427</p> <p>Link 428</p> <p>Link 429</p> <p>Link 430</p> <p>Link 431</p> <p>Link 432</p> <p>Link 433</p> <p>Link 434</p> <p>Link 435</p> <p>Link 436</p> <p>Link 437</p> <p>Link 438</p> <p>Link 439</p> <p>Link 440</p> <p>Link 441</p> <p>Link 442</p> <p>Link 443</p> <p>Link 444</p> <p>Link 445</p> <p>Link 446</p> <p>Link 447</p> <p>Link 448</p> <p>Link 449</p> <p>Link 450</p> <p>Link 451</p> <p>Link 452</p> <p>Link 453</p> <p>Link 454</p> <p>Link 455</p> <p>Link 456</p> <p>Link 457</p> <p>Link 458</p> <p>Link 459</p> <p>Link 460</p> <p>Link 461</p> <p>Link 462</p> <p>Link 463</p> <p>Link 464</p> <p>Link 465</p> <p>Link 466</p> <p>Link 467</p> <p>Link 468</p> <p>Link 469</p> <p>Link 470</p> <p>Link 471</p> <p>Link 472</p> <p>Link 473</p> <p>Link 474</p> <p>Link 475</p> <p>Link 476</p> <p>Link 477</p> <p>Link 478</p> <p>Link 479</p> <p>Link 480</p> <p>Link 481</p> <p>Link 482</p> <p>Link 483</p> <p>Link 484</p> <p>Link 485</p> <p>Link 486</p> <p>Link 487</p> <p>Link 488</p> <p>Link 489</p> <p>Link 490</p> <p>Link 491</p> <p>Link 492</p> <p>Link 493</p> <p>Link 494</p> <p>Link 495</p> <p>Link 496</p> <p>Link 497</p> <p>Link 498</p> <p>Link 499</p> <p>Link 500</p> <p>Link 501</p> <p>Link 502</p> <p>Link 503</p> <p>Link 504</p> <p>Link 505</p> <p>Link 506</p> <p>Link 507</p> <p>Link 508</p> <p>Link 509</p> <p>Link 510</p> <p>Link 511</p> <p>Link 512</p> <p>Link 513</p> <p>Link 514</p> <p>Link 515</p> <p>Link 516</p> <p>Link 517</p> <p>Link 518</p> <p>Link 519</p> <p>Link 520</p> <p>Link 521</p> <p>Link 522</p> <p>Link 523</p> <p>Link 524</p> <p>Link 525</p> <p>Link 526</p> <p>Link 527</p> <p>Link 528</p> <p>Link 529</p> <p>Link 530</p> <p>Link 531</p> <p>Link 532</p> <p>Link 533</p> <p>Link 534</p> <p>Link 535</p> <p>Link 536</p> <p>Link 537</p> <p>Link 538</p> <p>Link 539</p> <p>Link 540</p> <p>Link 541</p> <p>Link 542</p> <p>Link 543</p> <p>Link 544</p> <p>Link 545</p> <p>Link 546</p> <p>Link 547</p> <p>Link 548</p> <p>Link 549</p> <p>Link 550</p> <p>Link 551</p> <p>Link 552</p> <p>Link 553</p> <p>Link 554</p> <p>Link 555</p> <p>Link 556</p> <p>Link 557</p> <p>Link 558</p> <p>Link 559</p> <p>Link 560</p> <p>Link 561</p> <p>Link 562</p> <p>Link 563</p> <p>Link 564</p> <p>Link 565</p> <p>Link 566</p> <p>Link 567</p> <p>Link 568</p> <p>Link 569</p> <p>Link 570</p> <p>Link 571</p> <p>Link 572</p> <p>Link 573</p> <p>Link 574</p> <p>Link 575</p> <p>Link 576</p> <p>Link 577</p> <p>Link 578</p> <p>Link 579</p> <p>Link 580</p> <p>Link 581</p> <p>Link 582</p> <p>Link 583</p> <p>Link 584</p> <p>Link 585</p> <p>Link 586</p> <p>Link 587</p> <p>Link 588</p> <p>Link 589</p> <p>Link 590</p> <p>Link 591</p> <p>Link 592</p> <p>Link 593</p> <p>Link 594</p> <p>Link 595</p> <p>Link 596</p> <p>Link 597</p> <p>Link 598</p> <p>Link 599</p> <p>Link 600</p> <p>Link 601</p> <p>Link 602</p> <p>Link 603</p> <p>Link 604</p> <p>Link 605</p> <p>Link 606</p> <p>Link 607</p> <p>Link 608</p> <p>Link 609</p> <p>Link 610</p> <p>Link 611</p> <p>Link 612</p> <p>Link 613</p> <p>Link 614</p> <p>Link 615</p> <p>Link 616</p> <p>Link 617</p> <p>Link 618</p> <p>Link 619</p> <p>Link 620</p> <p>Link 621</p> <p>Link 622</p> <p>Link 623</p> <p>Link 624</p> <p>Link 625</p> <p>Link 626</p> <p>Link 627</p> <p>Link 628</p> <p>Link 629</p> <p>Link 630</p> <p>Link 631</p> <p>Link 632</p> <p>Link 633</p> <p>Link 634</p> <p>Link 635</p> <p>Link 636</p> <p>Link 637</p> <p>Link 638</p> <p>Link 639</p> <p>Link 640</p> <p>Link 641</p> <p>Link 642</p> <p>Link 643</p> <p>Link 644</p> <p>Link 645</p> <p>Link 646</p> <p>Link 647</p> <p>Link 648</p> <p>Link 649</p> <p>Link 650</p> <p>Link 651</p> <p>Link 652</p> <p>Link 653</p> <p>Link 654</p> <p>Link 655</p> <p>Link 656</p> <p>Link 657</p> <p>Link 658</p> <p>Link 659</p> <p>Link 660</p> <p>Link 661</p> <p>Link 662</p> <p>Link 663</p> <p>Link 664</p> <p>Link 665</p> <p>Link 666</p> <p>Link 667</p> <p>Link 668</p> <p>Link 669</p> <p>Link 670</p> <p>Link 671</p> <p>Link 672</p> <p>Link 673</p> <p>Link 674</p> <p>Link 675</p> <p>Link 676</p> <p>Link 677</p> <p>Link 678</p> <p>Link 679</p> <p>Link 680</p> <p>Link 681</p> <p>Link 682</p> <p>Link 683</p> <p>Link 684</p> <p>Link 685</p> <p>Link 686</p> <p>Link 687</p> <p>Link 688</p> <p>Link 689</p> <p>Link 690</p> <p>Link 691</p> <p>Link 692</p> <p>Link 693</p> <p>Link 694</p> <p>Link 695</p> <p>Link 696</p> <p>Link 697</p> <p>Link 698</p> <p>Link 699</p> <p>Link 700</p> <p>Link 701</p> <p>Link 702</p> <p>Link 703</p> <p>Link 704</p> <p>Link 705</p> <p>Link 706</p> <p>Link 707</p> <p>Link 708</p> <p>Link 709</p> <p>Link 710</p> <p>Link 711</p> <p>Link 712</p> <p>Link 713</p> <p>Link 714</p> <p>Link 715</p> <p>Link 716</p> <p>Link 717</p> <p>Link 718</p> <p>Link 719</p> <p>Link 720</p> <p>Link 721</p> <p>Link 722</p> <p>Link 723</p> <p>Link 724</p> <p>Link 725</p> <p>Link 726</p> <p>Link 727</p> <p>Link 728</p> <p>Link 729</p> <p>Link 730</p> <p>Link 731</p> <p>Link 732</p> <p>Link 733</p> <p>Link 734</p> <p>Link 735</p> <p>Link 736</p> <p>Link 737</p> <p>Link 738</p> <p>Link 739</p> <p>Link 740</p> <p>Link 741</p> <p>Link 742</p> <p>Link 74</p>	

```

<meta name="apple-mobile-web-app-capable" content="yes">
<meta name="apple-mobile-web-app-status-bar-style" content="black">
<title>Navbar With Multiple Links</title>
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
</head>
<body>
<div class="views">
  <div class="view view-main">
    <div class="navbar">
      <div class="navbar-inner">
        <div class="left">
          <a href="#" class="link">Left 1</a>
        </div>
        <div class="center">Center</div>
        <div class="right">
          <a href="#" class="link">Right 1</a>
          <a href="#" class="link">Right 2</a>
        </div>
      </div>
    </div>
    <div class="pages navbar-through ">
      <div data-page="index" class="page">
        <div class="page-content">
          <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
          <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
        </div>
      </div>
    </div>
  </div>
</body>

```

```

hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
    </div>
    </div>
    </div>
    </div>
    </div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
</body>
</html>
```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **navbar_multi_links.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_multi_links.html and the output is displayed as shown below.
- The navbar provides multiple links either at the left part or right part of the page.

Left 1	Center	Right 1 Right 2
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.		

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc

Framework7 – Links with Text & Icons

Description

The links can be provided with icons and text by adding classes for icons and wrapping the link text with `` element.

Example

The following example demonstrates the use of navbar links with text and icons in the Framework7:

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar Links With Text & Icons</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
  </head>
  <body>
    <div class="views">
      <div class="view view-main">
        <div class="navbar">
          <div class="navbar-inner">
            <div class="left">
              <a href="#" class="link">
                <i class="icon icon-back"></i>
                <span>Previous</span>
              </a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>

```

```

<div class="center">Center</div>
<div class="right">
    <a href="#" class="link">
        <i class="icon icon-bars"></i>
        <span>Menu</span>
    </a>
</div>
</div>
<div class="pages navbar-through ">
    <div data-page="index" class="page">
        <div class="page-content">
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
        </div>
    </div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
</body>
</html>

```

Output

45

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **navbar_links_icons.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_links_icons.html and the output is displayed as shown below..
- The navbar provides links with the icons and text by wrapping the link's text with span element.

The screenshot shows a mobile application interface. At the top, there are three buttons: a blue 'Previous' button on the left, a 'Center' button in the middle, and a 'Menu' button with a three-line icon on the right. Below these buttons is a large text area containing placeholder text in a monospace font. The text is a standard Latin passage. At the bottom of the text area, there is a horizontal scrollbar and a small downward arrow indicating more content is available.

Framework7 – Links with Only Icons

Description

Navbar links can be provided with only icons by adding the *icon-only* class to links. It will make the link display in fixed 44x44 px size.

Example

The following example demonstrates the use of navbar links with only icons in the Framework7:

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar With Only Icons</title>
```

```

        <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.m
in.css">
        <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.c
olors.min.css">
    </head>
<body>
    <div class="views">
        <div class="view view-main">
            <div class="navbar">
                <div class="navbar-inner">
                    <div class="left">
                        <a href="#" class="link icon-only">
                            <i class="icon icon-back"></i>
                        </a>
                    </div>
                    <div class="center">Center Section</div>
                    <div class="right">
                        <a href="#" class="link icon-only">
                            <i class="icon icon-bars"></i>
                        </a>
                    </div>
                </div>
            </div>
            <div class="pages navbar-through ">
                <div data-page="index" class="page">
                    <div class="page-content">
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec

```

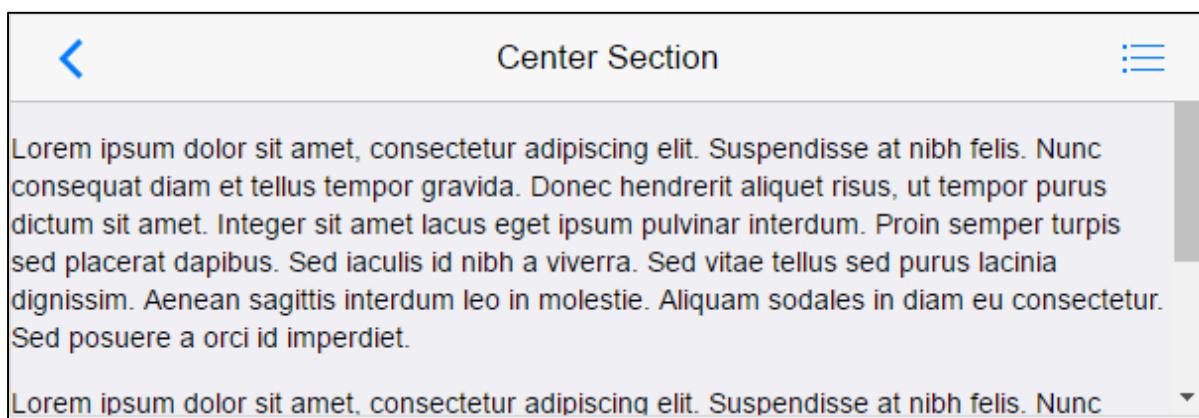
```

hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus
eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
    </div>
    </div>
    </div>
    </div>
    </div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
</body>
</html>
```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given HTML code as **navbar_only_icons.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_only_icons.html and the output is displayed as shown below.
- The navbar provides links only with the icons without using the text.



Framework7 – Related App & View Methods

Description

The `View(<div class="view">)` is a disconnected visual section of app consisting of its own settings, navigations and history. Every view may have a different navbar and toolbar layouts.

`Views` is the wrapper container for all visual views except *modals* and *panels*. When `views` is set as a main wrapper for your app's body, only one `views` element is allowed. The following code shows the HTML structure for `views`:

```
<body>
  ...
  <div class="panel panel-left panel-cover">
    <div class="view panel-view"> .... </div>
  </div>
  <!-- Views -->
  <div class="views">
    <!-- Your main view -->
    <div class="view view-main">
      <!-- Navbar-->
      <!-- Pages -->
      <!-- Toolbar-->
    </div>
    <!-- Another view -->
    <div class="view another-view">
      <!-- Navbar-->
      <!-- Pages -->
      <!-- Toolbar-->
    </div>
  </div>
  <div class="popup">
    <div class="view popup-view"> .... </div>
  </div>
  ....
</body>
```

On initializing the *View*, framework7 allows you to use the methods available for navbar as shown below:

S. No.	Methods & Description
1	myApp.hideNavbar(navbar) It is used to hide a particular navbar. The <i>navbar</i> can be HTMLElement or string (with CSS selector) of required navbar and is a required parameter.
2	myApp.showNavbar(navbar) It is used to show a particular navbar. The <i>navbar</i> can be HTMLElement or string (with CSS selector) of required navbar and is a required parameter.
3	view.hideNavbar() It hides navbar in this view.
4	view.showNavbar() It shows navbar in this view.
5	myApp.sizeNavbars(viewContainer) It is used to recalculate positional styles for Navbar. The <i>viewContainer</i> can be CSS selector string or HTMLElement and is used only by iOS theme.

Example

The following example demonstrates the use of view methods in Framework7, which hides the navbar when you click the *Hide Navbar* (uses *.hide-navbar* class) button and shows the navbar by clicking on the *Show Navbar* (uses *.show-navbar* class) button.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar View Methods</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
  </head>
```

```

<body>
    <div class="views">
        <div class="view view-main">
            <div class="pages">
                <div data-page="home" class="page navbar-fixed">
                    <div class="navbar">
                        <div class="navbar-inner">
                            <div class="left"> <a href="#" class="link" > <i class="icon icon-back" ></i><span>Previous</span></a></div>
                            <div class="center">Center Part</div>
                            <div class="right"> <a href="#" class="link icon-only" > <i class="icon icon-bars" ></i></a></div>
                        </div>
                    </div>
                    <div class="page-content">
                        <div class="content-block">
                            <p> <a href="#" class="button hide-navbar" >Hide Navbar</a></p>
                            <p> <a href="#" class="button show-navbar" >Show Navbar</a></p>
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacinia eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacinia eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacinia eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
    var myApp = new Framework7();
    var $ = Framework7.$;
    var mainView = myApp.addView('.view-main');
    $('.hide-navbar').on('click', function () {
        mainView.hideNavbar();
    });
    $('.show-navbar').on('click', function () {
        mainView.showNavbar();
    });
</script>
</body>
</html>

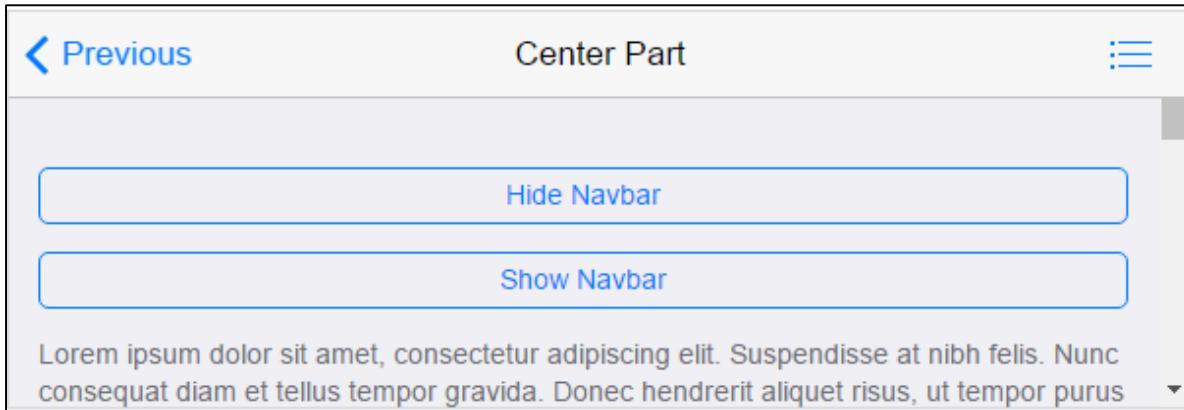
```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code **navbar_app_view.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_app_view.html and the output as is displayed as shown below..

- When you run the code, you can hide the navbar by clicking on the Hide Navbar button and shows the navbar by clicking on the Show Navbar button.



Framework7 – Hide Navbar Automatically

Description

The navbar can be hidden/shown automatically for some Ajax loaded pages where navbar is not required. It is useful only whenever you use the through-type layout. You need to add *no-navbar* class to the loaded page and put an empty navbar.

Example

The following example hides the navbar automatically when you click on the link:

Create file navbar_hide_auto_about.html

navbar_hide_auto_about.html

```
<div class="navbar">
  <div class="navbar-inner"></div>
</div>
<div data-page="about" class="page no-navbar">
  <div class="page-content">
    <div class="content-block">
      <p> <a href="#" class="back button">Go Back</a></p>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a</p>
    </div>
  </div>
</div>
```

```
viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>
```

```
    </div>
```

```
  </div>
```

```
</div>
```

navbar_hide_auto.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Navbar View Methods</title>
    <link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
```

```

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">

</head>
<body>

<div class="views">
  <div class="view view-main navbar-through">
    <div class="navbar">
      <div class="navbar-inner">
        <div class="center">Center Part</div>
        <div class="right"> <a href="#" class="link icon-only"> <i
class="icon icon-bars"></i></a></div>
      </div>
    </div>
    <div class="pages">
      <div data-page="home" class="page">
        <div class="page-content">
          <div class="content-block">
            <p> <a href="navbar_hide_auto_about.html"
class="button">About</a></p>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
      </div>
    </div>
  </div>
</body>

```

```

        <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
    var myApp = new Framework7();
    var mainView = myApp.addView('.view-main', {
        dynamicNavbar: true
    });
</script>
</body>
</html>

```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **navbar_hide_auto.html** file in your server root folder.
- Open this HTML file as http://localhost/navbar_hide_auto.html and the output is displayed as shown below.
- When you run the code, you can hide or show the navbar automatically whenever navbar is not required.

Center Part

About

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus

5. FRAMEWORK7 – TOOLBARS

Description

Toolbar provides easy access to other pages by using navigation elements at the bottom of the screen.

You can use toolbar in two ways as specified in the table:

S. No.	Toolbar types & Description
1	Hide Toolbar You can hide the toolbar automatically when you load the pages by using the no-toolbar class to loaded page.
2	Bottom Toolbar Place the toolbar at the bottom of the page by using the toolbar-bottomclass .

Framework7 – Toolbar Hiding

Description

You can hide the toolbar automatically when you load the pages by using the **no-toolbar** class to loaded page.

Example

The following example demonstrates the use of toolbar hiding in Framework7:

First, we will create one HTML page called **toolbar_hiding.html**.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Toolbar Hiding</title>
```

```

        <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.m
in.css">
        <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.c
olors.min.css">
    </head>
<body>
    <div class="views">
        <div class="view view-main">
            <div class="navbar">
                <div class="navbar-inner">
                    <div class="center sliding">Toolbar Hiding</div>
                </div>
            </div>
            <div class="pages navbar-through">
                <div data-page="index" class="page">
                    <div class="page-content">
                        <div class="list-block">
                            <ul>
                                <li>
                                    <a href="/framework7/src/toolbar-services.html"
class="link">
                                        <div class="item-content">
                                            <div class="item-inner">
                                                <div class="item-title">Go to Services
page</div>
                                            </div>
                                        </div>
                                    </a>
                                </li>
                            </ul>
                        </div>
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec
hendrerit aliquet risus, ut tempor purus dictum sit amet. Aenean sagittis interdum

```

```

leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>


<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a orci id imperdiet.</p>


</div>
</div>
</div>
<div class="toolbar">
<div class="toolbar-inner">
<a href="#" class="link">Link 1</a>
<a href="#" class="link">Link 2</a>
<a href="#" class="link">Link 3</a>
</div>
</div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
// here initialize the app
var myApp = new Framework7();

// If your using custom DOM library, then save it to $$ variable
var $$ = Dom7;

// Add the view
var mainView = myApp.addView('.view-main', {
// enable the dynamic navbar for this view
dynamicNavbar: true
});

```

```

    </script>
</body>
</html>
```

Next, create one more HTML page i.e. **toolbar-services.html** as shown below:

```

<div class="navbar">
  <div class="navbar-inner">
    <div class="center sliding">Services</div>
  </div>
</div>
<div class="pages">
  <div data-page="services" class="page no-toolbar">
    <div class="page-content">
      <div class="content-block">
        <br>
        <h2>Our Services</h2>
        <ul>
          <li>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.</li>
          <li>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris.</li>
          <li>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</li>
          <li>Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit.</li>
          <li>At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et.</li>
          <li>Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id.</li>
        </ul>
        <p>Go <a href="#" class="back">back</a> to home page.</p>
      </div>
    </div>
  </div>
</div>
```

```
<div class="toolbar">
  <div class="toolbar-inner">
    <a href="#" class="link">Link 1</a>
    <a href="#" class="link">Link 2</a>
    <a href="#" class="link">Link 3</a>
  </div>
</div>
```

Output

Let us carry out the following steps to see how the above given code works:

- Save the above given html code as **toolbar_hiding.html** file in your server root folder.
- Open this HTML file as http://localhost/toolbar_hiding.html and the output is displayed as shown below.
- When you run the code, click on the Services page link, which will hide the Toolbar automatically in the page.

Toolbar Hiding

[Go to Services page](#)

[Link 1](#) [Link 2](#) [Link 3](#)

Framework7 – Toolbar Bottom

Description

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Place the toolbar at the bottom of the page by using the **toolbar-bottom** class. Bottom toolbar is only supported in Material theme and in iOS theme; it is placed at the bottom by default.

Example

The following example demonstrates the use of Toolbar bottom in Framework7:

First, we will create one HTML page called **toolbar_bottom.html**.

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, minimum-scale=1, user-scalable=no, minimal-ui">
    <meta name="apple-mobile-web-app-capable" content="yes">
    <meta name="apple-mobile-web-app-status-bar-style" content="black">
    <title>Toolbar Hiding</title>
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.min.css">
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/css/framework7.ios.colors.min.css">
  </head>
  <body>
    <div class="views">
      <div class="view view-main">
        <div class="navbar">
          <div class="navbar-inner">
            <div class="center sliding">Bottom Toolbar</div>
          </div>
        </div>
        <div class="pages navbar-through">
          <div data-page="index" class="page toolbar-fixed navbar-fixed">
            <div class="page-content">
              <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida. Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Aenean sagittis
            </p>
          </div>
        </div>
      </div>
    </div>
  </body>

```

```

interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed posuere a
orci id imperdiet.</p>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Suspendisse at nibh felis. Nunc consequat diam et tellus tempor gravida.
Donec hendrerit aliquet risus, ut tempor purus dictum sit amet. Integer sit amet
lacus eget ipsum pulvinar interdum. Proin semper turpis sed placerat dapibus. Sed
iaculis id nibh a viverra. Sed vitae tellus sed purus lacinia dignissim. Aenean
sagittis interdum leo in molestie. Aliquam sodales in diam eu consectetur. Sed
posuere a orci id imperdiet.</p>

</div>
</div>
</div>
<div class="toolbar toolbar-bottom">
    <div class="toolbar-inner">
        <a href="#" class="link">Link 1</a>
        <a href="#" class="link">Link 2</a>
        <a href="#" class="link">Link 3</a>
    </div>
</div>
</div>
</div>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/framework7/1.4.2/js/framework7.min.js"
></script>
<script>
// here initialize the app
var myApp = new Framework7();
// If your using custom DOM library, then save it to $$ variable
var $$ = Dom7;
// Add the view
var mainView = myApp.addView('.view-main', {
    // enable the dynamic navbar for this view
    dynamicNavbar: true
});
</script>
</body>

```

```
</html>
```

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