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About the Tutorial

In this tutorial, we look at how to report test results and manage test cases with Results, which is a web-based platform for test results reporting and test case management.

Audience

This tutorial is useful for anyone who already has automated tests created, or is in the process of creating automated tests, and anyone who is looking to manage and report manual test cases.

Prerequisites

Before proceeding with this tutorial, it is assumed that the reader has basic knowledge about test results reporting and test case management.

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1. Results — Overview

Software development teams have to understand the failures that have been identified from testing. They need to understand what test cases were run and what the reasons for the failures were and whether any regression or decline in quality has occurred.

Test reporting for both automated and manual testing, as well as managing of test cases is an important part of the development and testing tools stack. Ideally, test cases and test results should be easily accessible for all test runs.

Results is a web-based test results and test case management application. The objective of this tutorial is to demonstrate how to setup your tests to report results using Results and explain how to use the analysis and reporting features that are available.

Features of Results

Key features of Results are as follows:

- Test results reporting
- Test case management
- Consolidation of test results from parallel test jobs into a single run
- Consolidation of test results from across an application or project
- Notifications of results by email and other services such as Slack
- Storage of test generated data such as logs and screenshots.
- Assignment of test cases to team members
- Bug linking
- Flaky test indicator
- Test case comments
- Testing collaboration
- Performance data charting

Free and Paid Pricing

Results is commercial service with paid plans that teams can subscribe to. It provides a free project plan to use for evaluation. The free project has no time limit and can be used for as long as you want.

However, the free project is limited in a number of ways compared to the paid projects, most notably only one target (targets are explained in the next section) is provided and the number of test cases is limited to 100 for each test run.

For some open source projects, individuals and educators, and small teams getting started, Results provides discounted or even free offerings if requested by email as mentioned on their pricing page so even for teams that have no budget Results can be used.

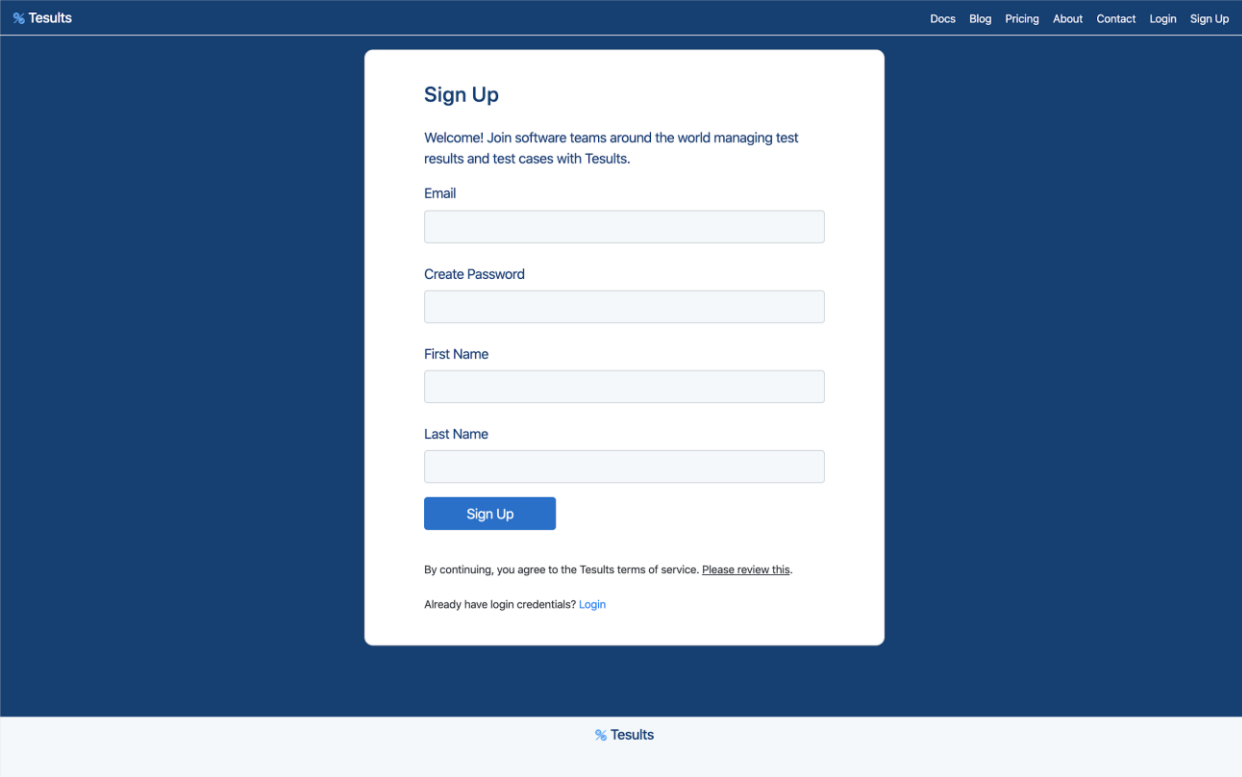
2. Results — Sign Up and Project Creation

This chapter deals with topics such as how to sign up, how to create a project and what exactly are targets in results.

Sign up

The first thing to do is sign up. Visit <https://www.results.com> and click **Sign Up** from the header.

To sign up, you must enter your email address, create a password and enter your name.



The screenshot shows the Results.com Sign Up page. The page has a dark blue header with the Results logo on the left and navigation links (Docs, Blog, Pricing, About, Contact, Login, Sign Up) on the right. The main content area is a white sign-up form centered on a dark blue background. The form includes the following fields and elements:

- Sign Up** (Section Header)
- Welcome! Join software teams around the world managing test results and test cases with Results.
- Email:
- Create Password:
- First Name:
- Last Name:
- Sign Up** (Submit Button)
- By continuing, you agree to the Results terms of service. [Please review this.](#)
- Already have login credentials? [Login](#)

The footer of the page contains the Results logo.

Creating a project

After signing up, you are automatically logged in and can create a project. Click **'config'** from the header and then click **'Create New Project'**. You need to enter a name for your project.

Next you must choose your plan. For this tutorial, we will create a free project.

After the project is created, a **'token'** will be displayed. This token is needed to submit test results to Results and should be copied. At any time, these token can be recreated from the configuration menu.

At this point the project is created. Next thing to do is integrate automated tests to push results data to Results.

Targets

Results uses the term 'target' to refer to a source of test results data, like a specific test job. The recommendation is to consider each target a bucket to upload test results to. Usually software development teams do not only run a single test run. They may run tests in different environments, on different devices, in different branches and for different modules of an application.

For example, if there is a back-end and a front-end, there may be API tests for the back-end and UI automated tests for the front-end. If these sets of tests are run in a development environment and in a staging environment, then there are four test jobs:

- Back-end development
- Front-end development
- Back-end staging
- Front-end staging

Results would consider each one a '**target**'. The reason for this concept of target has to do with making each test run comparable to the last and as a way to organise results data from various sources.

3. Results — Integrating Your Automated Tests

Results makes libraries available to integrate for various languages which includes:

- Python
- Node.js / JS
- Java
- C#
- Ruby
- Go

There is also a REST API available. To upload test generated data and files, one of the libraries must be used.

No code integration

For some test frameworks, it is possible to integrate without any code using test framework specific libraries that are available.

Test frameworks requiring no code to integrate include:

- pytest
- Robot
- Jest
- Mocha
- JUnit5
- NUnit 3

The integration process is similar for all of these libraries.

Install Plugin

Within your test project, install the relevant Results plugin. For example, if you are using pytest, this is done using **pip install results** followed by **pip install pytest-results**. If you are using Mocha, you use **npm install mocha-results-reporter --save**. See the appropriate command for your test framework on the Results website.

Configure Plugin

Some plugins require no configuration and are ready to use immediately, some require a small amount of configuration. In the case of pytest, for example, no additional configuration is required and it is ready to use.

In the case of Mocha, a small change is needed to the **mocha** call, specifically the reporter needs to be specified, **mocha --reporter mocha-results-reporter**. See the Results website for specific configuration for the framework you are using but, in general, the configuration is a one-line change or no change.

Pass Args

There is a required argument to pass to the plugin and other optional arguments. The required arg is to provide the Results target token. This token was generated on project creation for the default target in the previous tutorial page. You can get a new token if you do not have this token from the configuration menu in Results. Click '**Regenerate Target Token**' in the configuration menu.

How to pass the argument depends on your test framework and plugin. For example, in pytest it can be provided in the pytest call '**pytest --results-target token_value**' or by using a configuration file. For Mocha, it is similar, it can be passed through in the mocha called '**mocha * --reporter mocha-results-reporter -- results-target=token**' or it can be passed in a configuration file.

The target token is the only required arg, there are optional args for passing in build information and for files upload. See the Results website for specific information on args for your test framework.

Run Tests

Run your tests and results will now be submitted to Results.

Code integration

If you are using a custom test framework or a test framework for which Results does not have a specific library or plugin you need to make use of one of the language frameworks.

Here, we will take a look at what is involved in integrating for Python. Other languages have very similar integration processes, see the Results website for specific details for your programming language but follow this tutorial first to get an idea of the process:

Install Library

For Python, the following is the command:

```
pip install results
```

For other languages, the process is similar, for JS test frameworks, you install the library from npm, for Java you can use Gradle or Maven, for C# the packages are hosted on NuGet, and Ruby has it available as a gem.

Configure Library

For Python, configuration involves just a **require 'results'** in any module you want to use the library. Again, similar configuration is needed in other languages. See the Results website for the specific configuration for your programming language.

Map Test Data

This step is something that the no code plugins allow you to avoid. For the code based integration you must map your test data to Results test data.

For Python, this means turning each test case result into a Python dictionary:

```
{
  'name': 'Tutorial 1',
  'desc': 'Tutorial 1 .',
  'suite': 'Tutorials Point',
  'result': 'fail',
  'reason': 'Assert fail in line 102, tutorialspoint.py',
  'files': ['full-path/log.txt', 'full-path/screenshot.png'],
  '_CustomField': 'Custom field value'
}
```

The name and result are required. Everything else is optional. The result must be one of **'pass'**, **'fail'**, or **'unknown'**.

The suite is useful to provide because it helps groups test cases when viewing results and helps avoid name conflicts. The reason should be provided for failing test cases.

Files are useful for ensuring logs and other test files are stored and can be viewed alongside the test case for which they are for.

You can also have any number of custom fields; they must begin with the underscore (`_`) character. For each test case, build up a dictionary in this way, and store them in an array.

Upload Results

To upload results, each library provides a results upload function. In the case of Python, you need to call the following:

```
results.results(data)
```

where the data parameter is follows:

```
data = {
  'target': 'token',
  'results': {
    'cases': [<your test cases>]
  }
}
```

The cases array is the array created in the section above.

For other programming languages, the process is exactly the same with just syntax changes.

Help

The Results website has a way to request help for integration if you need it.

Next Steps

At this point, integration is complete and we can look at how to view, analyse and take action from test results.

4. Results — View Test Results

Results provides three views into overall test results and one detailed test case view.

Results View

The results view is the primary way to view test results for a test run. All of the test cases for a test run are displayed and grouped by test suite.

If you have hundreds or thousands of test results, you can use the test suite collapse and expand buttons on the side to make navigating easier.

There are controls available to change the view. You can use these to:

- Change view type - results, summary, supplemental
- Change project - if you have multiple projects
- Change target - if you have multiple targets
- Change test run - you can select older test runs
- Search - useful if you have hundreds or thousands of test cases to search for a specific test case
- Sort by - you can choose to sort results by suite, result (pass/fail) and test name
- Filter by - you can filter to show only passes, fails or other results
- Refresh results - you can either click the refresh icon to manually refresh or enable auto refresh which will frequently refresh the view

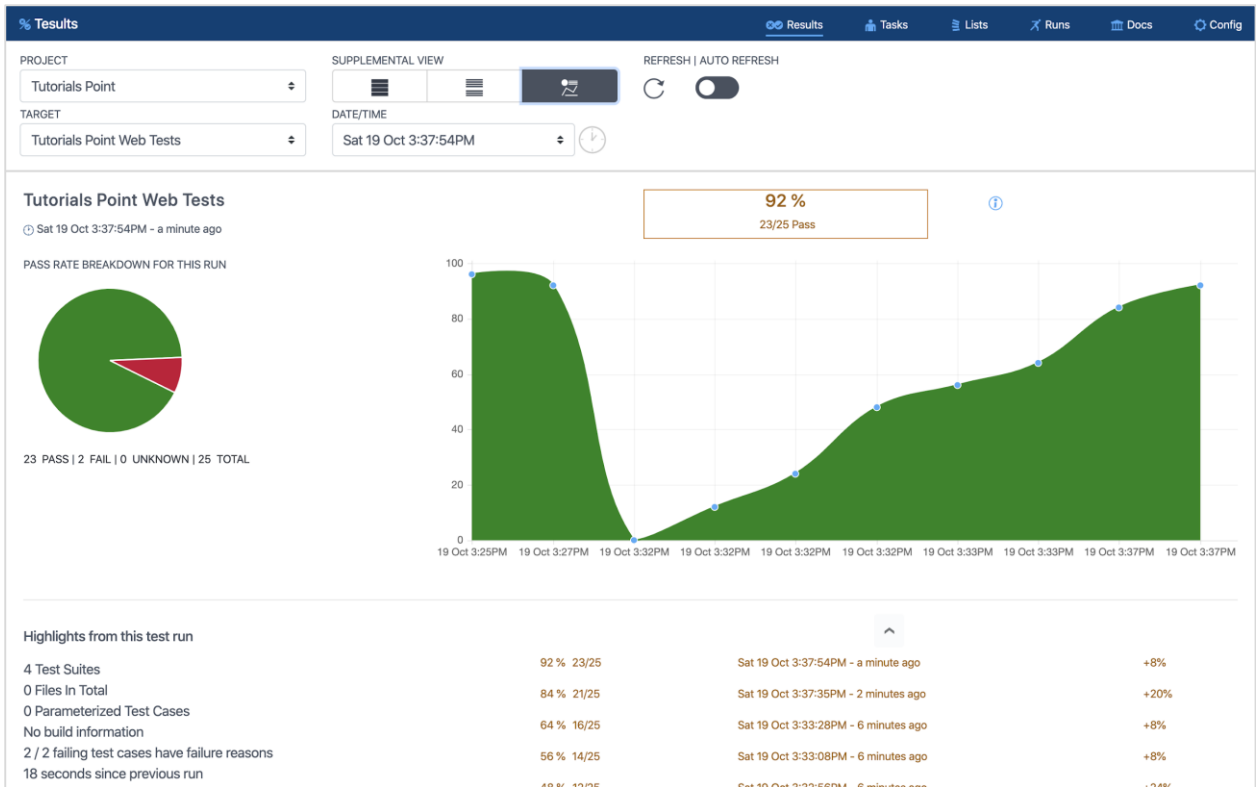
The results view lists the total number of passes, fails, the total number of test cases and number of test cases by test suite.

The screenshot shows the Test Results interface for the project 'Tutorials Point'. The target is 'Tutorials Point Web Tests' and the test run occurred on 'Sat 19 Oct 3:37:54PM'. The overall pass rate is 92% (23/25 Pass). The results are categorized into 'Authentication' (3/4) and 'Load Page' (8/8). The 'Authentication' section shows four test cases: 'Sign Up' (Pass), 'Sign In' (Pass), 'Forgot Password' (Fail), and 'Reset Password' (Pass). The 'Load Page' section shows eight test cases, all of which passed: 'Home (Chrome)', 'Home (Edge)', 'Home (Firefox)', 'Home (Safari)', 'Login (Chrome)', 'Login (Edge)', and 'Login (Firefox)'.

Test Case Name	Category	Status
Sign Up	Authentication	Pass
Sign In	Authentication	Pass
Forgot Password	Authentication	Fail
Reset Password	Authentication	Pass
Home (Chrome)	Load Page	Pass
Home (Edge)	Load Page	Pass
Home (Firefox)	Load Page	Pass
Home (Safari)	Load Page	Pass
Login (Chrome)	Load Page	Pass
Login (Edge)	Load Page	Pass
Login (Firefox)	Load Page	Pass

Supplemental View

The supplemental view is most useful for quickly finding out which test cases are new fails, old or continuing fails and new passes. Rather than having to figure this out in the results view, the supplemental view makes this information easily available by automatically comparing the latest results with previous test runs.



Summary View

The summary view is useful if you have many targets (test jobs). You can see the latest results from your whole project in this one view to find out whether there are specific areas that need attention.

The screenshot shows the Test Results interface for the project 'Tutorials Point'. The top navigation bar includes 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main content area displays the project name 'Tutorials Point' and a status view showing a 92% pass rate (23/25 Pass) for 'Tutorials Point Web Tests' on 'Sat 19 Oct 3:37:54PM - 2 minutes ago'. A tip suggests adding more targets for consolidation. Below this, there are links for 'Links to results +', 'Project usage +', and a 'Project onboarding 40% complete' notification with a 'View steps to complete onboarding' button. The footer contains the 'Results' logo.

Test Case Detail

In the results view, you can click on any test case to see detailed information about it. A test case specific view appears with fields including:

- Name
- Description
- Result
- Suite - This is the test suite the test case belongs to
- Failure reason - If the test case has failed
- Files - Files can be viewed here. Logs, screen captures and some csv files can be viewed inline within the window, other files can be downloaded
- Link - A direct link to this test case
- Associated bugs - Bugs from JIRA or other bug management systems that are linked to the test case
- Task - Used to assign the test case to a colleague, useful for, if a test case has failed and someone should be looking into it
- History - Displays the previous results of the same test case
- Comments - Comments specific to a test case can be added

By using the three high level views and the test case detail view, it is possible to get a complete understanding of test results.

Authentication (3/4)		Home (Chrome)		25	
		Project: Tutorials Point		4	
		Target: Tutorials Point Web Tests			
Sign Up	Result	Pass	✓		
Sign In	Suite	Load Page			
Forgot Password	Description	Load home page			
Reset Password	Associated Bugs (0)	Edit			
	Files	Home.png			
	History	Sat 19 Oct 3:27:31PM	✓		
		Sat 19 Oct 3:25:01PM	✓		

Load Page (8/8)		8	
Home (Chrome)	✓		
Home (Edge)	✓		
Home (Firefox)	✓		
Home (Safari)	✓		
Login (Chrome)	✓		
Login (Edge)	✓		
Login (Firefox)	✓		
Login (Safari)	✓		

Navigation (9/10)		10	
Home	✓		
Jobs	✓		
Tools	✗		
Coding Ground	✓		

5. Results — Team Members

You can add team members to your project so that others can login and view results. Also, you need to add team members if you want to assign test case failures to specific people to investigate, review results and add bug links and to comment on test cases.

Adding team members

Click '**Config**' from the menu bar and then click '**Team Members**'.

Add team members individually by providing their email address and click '**Add**'. Or add in bulk using a CSV file.

An invitation is sent to the email address you have added.

Add a team member

Enter the team member's email address to invite them to the project

Add multiple team members

Add multiple team members at once by importing a CSV file with emails. The first row must be a header row with the name:

- email

The email field is required.

Example:

```
email
example1@example.com
example2@example.com
example3@example.com
```

 No file chosen

Team member roles

1. Member
Most team members should be ordinary members. Members can view results for the project, assign failing test cases (tasks) and receive notifications.
2. Moderator

You can also remove team members here and change their role.

Team member roles

There are five team member roles. When a new team member is added they are automatically **level 1 - Member**. This role can view results.

If you want a team member to be able to manage test cases they must be changed to **level 2 - Moderator**.

The next role, **level 3 - Administrator** can also manage the project such as adding targets.

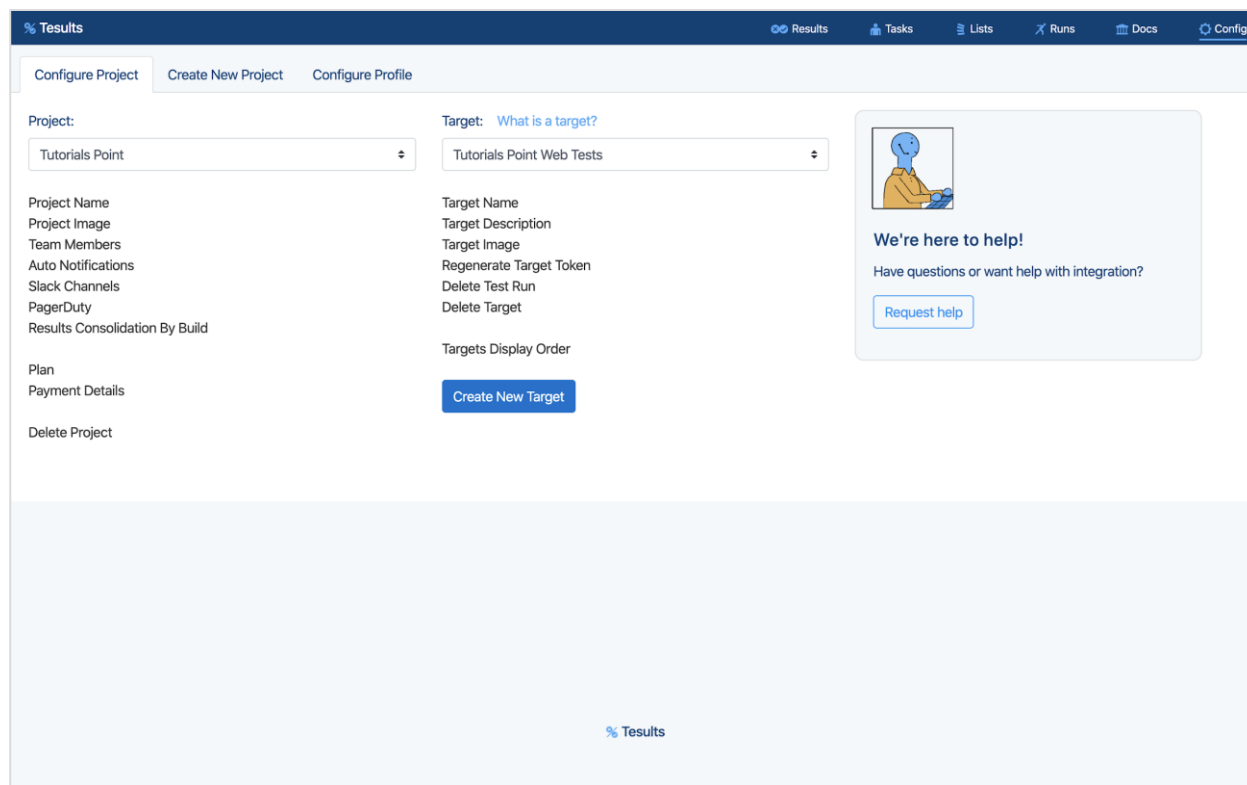
The next role, **level 4 - Officer** can also edit the project plan details and payment information.

Level 5 is the **project owner**; this will be you if you created the project. This role is the only one that can delete the project.

6. Results — Project Configuration

You can use the configuration menu to apply changes that can affect your project.

Click '**Config**' from the menu to open the configuration menu.



Targets

One of the most important things you can do from this menu is create and edit targets. Targets correspond to test jobs, so for every test run you want to report results with Results you need to create a corresponding target.

Click '**Create Target**' to create a target.

You can also edit the target name here and also regenerate the target token here.

If you have many targets you can also modify the order they appear in the Summary view and also in dropdown selection lists from here.

You can delete targets here too.

Team Members

Add and edit team members by clicking '**Team Members**'. The previous section talked about adding team members in detail.

Notifications

You can choose to enable and disable notifications by clicking 'Auto Notifications'. You can choose whether to send notifications after every test run or only if the results have changed. The second way helps reduce spamming of results data when nothing has changed.

Integration with other Services

The configuration menu is also where you can integrate your projects with external services like Slack. For Slack, you can setup notifications to be sent to specific Slack channels for the whole project or for different Results targets.

Click '**Slack Channels**' to configure which Slack channels should receive notifications.

Plan

You can change your plan type by clicking '**Plan**'. For this tutorial we created a free project.

Results Consolidation by Build

If you run parallel test runs but the results should be consolidated as a single test run, you can enable consolidation by clicking the '**Results Consolidation by Build**' link from the configuration menu. Then, if the build name for a test run matches the build name for another test run, all the results are consolidated so that you see everything in one test run.

Delete Project

To delete your project, click **Delete Project** from the configuration menu.

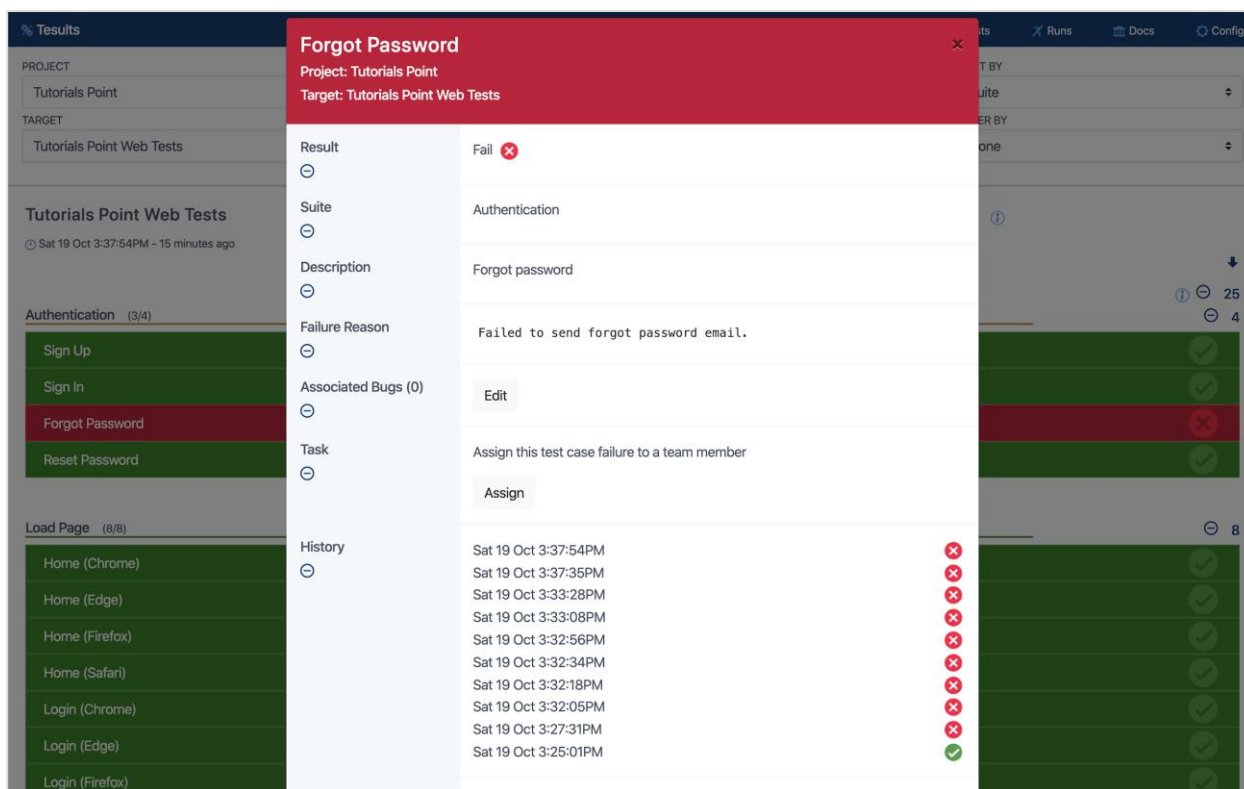
7. Results — Actioning Tasks Based on Test Results

Every test case can be treated as a **'task'**. This can be useful for processing failing test cases.

Assign failing test cases

Here, you will understand how to assign failing test cases to team members.

If you open the test case for a failing test case, you will see a field named **'Task'**. There is an **'assign'** button. If you click that you will see a dropdown list of all of your project team members.



Choose the team member you want to look into the test failure. They will then receive an email notifying them that they have been assigned the task.

Resolving test cases

If a task is assigned to you, you can set the task to resolved if you believe a fix has been implemented.

Resolution notifications

If a test case passes in the next test run, the task is automatically resolved and an email is sent to whoever the task is assigned to letting them know the test has passed and the task will be removed.

Monitor flaky test cases

Results adds a 'flaky' icon next to the name of any test case that looks like it has changed results between pass and fail a few times. The intention is for the test case to be investigated to find out if: -

- There is a problem with the test case itself that makes it pass sometimes and fail at other times.
- There is a bug in the system under test that shows up sporadically.

Link bugs to test cases

If a failing test case is due to a known bug or if you create a new bug because of a test fail, you can link the bug you create in your bug tracking software, e.g. JIRA, to the test case. Just paste the link from the bug tracker. Then, Results adds a '**bug**' icon next to the name of the test case to show a bug is linked.

The screenshot displays the Results application interface. On the left, a sidebar shows the project 'Tutorials Point' and target 'Tutorials Point Web Tests'. The main area shows a test case 'Authentication' with a 'Forgot Password' step. A modal window is open, showing the test result 'Fail' with a red 'x' icon. The failure reason is 'Failed to send forgot password email.' Below this, there is a section for 'Associated Bugs (0)' with a text input field and 'Save Changes' and 'Cancel' buttons. The modal also has a 'Task' section with an 'Assign' button. At the bottom, a 'History' section shows a list of test runs with their dates and times, each accompanied by a status icon (red 'x' for fail, green checkmark for pass). The 'Case Link' is also visible at the bottom of the modal.

The screenshot shows the 'Results' view for a test suite. At the top, there are navigation tabs for 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main header includes filters for 'PROJECT' (Tutorials Point), 'TARGET' (Tutorials Point Web Tests), 'DATE/TIME' (Sat 19 Oct 3:37:54PM), and 'SEARCH/FILTER TEST CASES'. A summary box indicates a 92% pass rate (23/25 Pass). Below this, test cases are grouped into 'Authentication (3/4)' and 'Load Page (8/8)'. The 'Authentication' group shows 'Sign Up', 'Sign In', 'Forgot Password' (failed), and 'Reset Password' (passed). The 'Load Page' group shows successful results for 'Home' and 'Login' across four different browsers (Chrome, Edge, Firefox, Safari).

Viewing tasks

Click 'Tasks' from the menu bar to view tasks for yourself and for the rest of your team.

The screenshot shows the 'Tasks' view. The left sidebar contains filters for 'Project' (Tutorials Point), 'Target' (Tutorials Point Web Tests), and 'Team Member' (Conrad Pecker). The main area is titled 'Tasks' and shows the user 'Conrad Pecker'. Under the 'Unresolved' section, there is one task: 'Forgot Password' (Authentication), which is marked as failed with a red bar and a red 'X' icon. A 'Back to results' button is located below the task list.

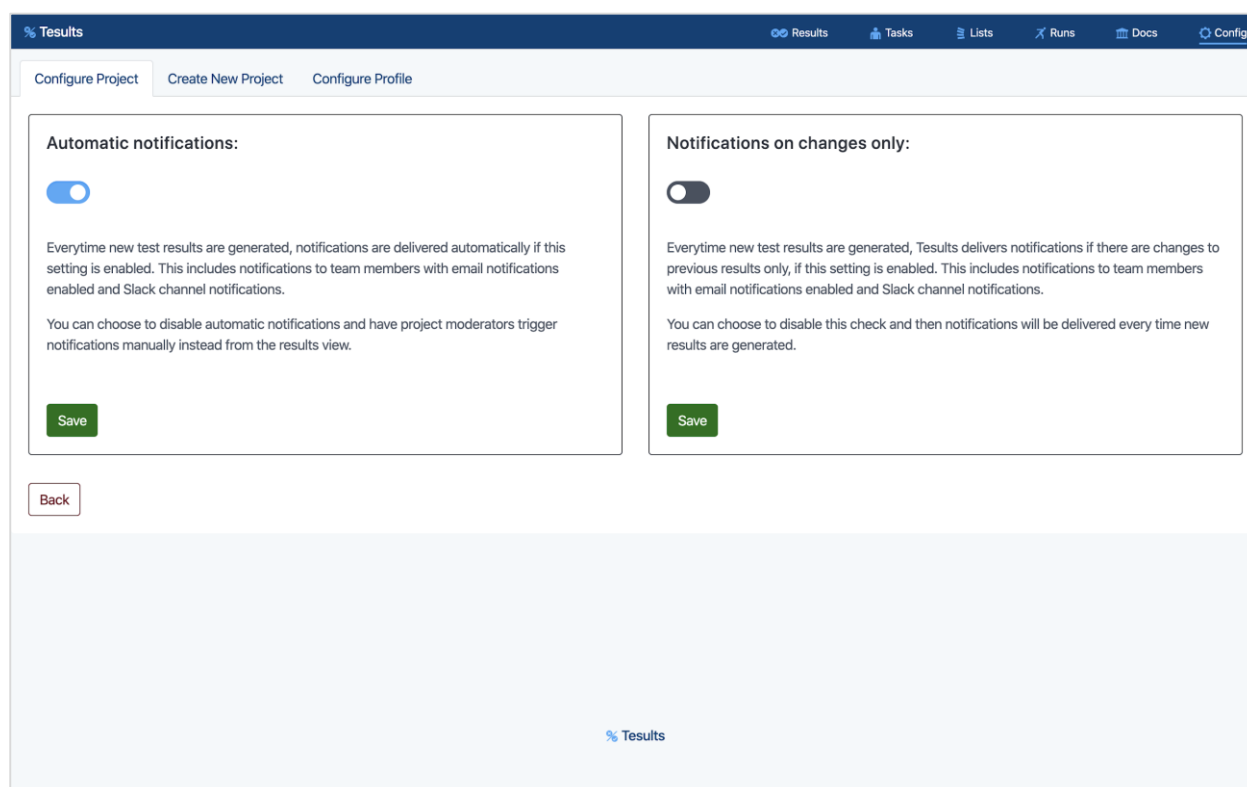
You can see what tasks are assigned to yourself and to others and tasks can be display by resolved (if you set them to resolved) and unresolved. You can also reassign as task to someone else by clicking on a test case.

8. Results — Notifications

You can setup notifications to be sent by email and with external services such as **Slack**.

Results

Click '**config**' from the menu to open the configuration menu, then click '**Automatic Notifications**'.



The screenshot shows the configuration interface for 'Automatic Notifications' within the 'Results' section. The page has a dark blue header with navigation links for 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. Below the header, there are three tabs: 'Configure Project', 'Create New Project', and 'Configure Profile'. The main content area is divided into two panels. The left panel, titled 'Automatic notifications:', features a blue toggle switch that is currently turned on. Below the toggle, there is explanatory text: 'Everytime new test results are generated, notifications are delivered automatically if this setting is enabled. This includes notifications to team members with email notifications enabled and Slack channel notifications.' and 'You can choose to disable automatic notifications and have project moderators trigger notifications manually instead from the results view.' A green 'Save' button is located at the bottom of this panel. The right panel, titled 'Notifications on changes only:', features a grey toggle switch that is currently turned off. Below the toggle, there is explanatory text: 'Everytime new test results are generated, Results delivers notifications if there are changes to previous results only, if this setting is enabled. This includes notifications to team members with email notifications enabled and Slack channel notifications.' and 'You can choose to disable this check and then notifications will be delivered every time new results are generated.' A green 'Save' button is located at the bottom of this panel. At the bottom left of the configuration area, there is a 'Back' button. The footer of the page contains the text '% Results'.

From here, you can choose to enable or disable test results notifications.

You can also choose to send notifications only when test results change or on every test run. If you submit test results with high frequency, such as part of a continuous integration system, it may be better to only send notifications on changes to avoid getting overrun with emails.

Integration with other services is covered in the next section.

Tasks

Results also sends notifications related to task management. If someone assigns you a test case, you receive a notification email about it. You are also notified when a test case assigned to you passes and is removed from your list.

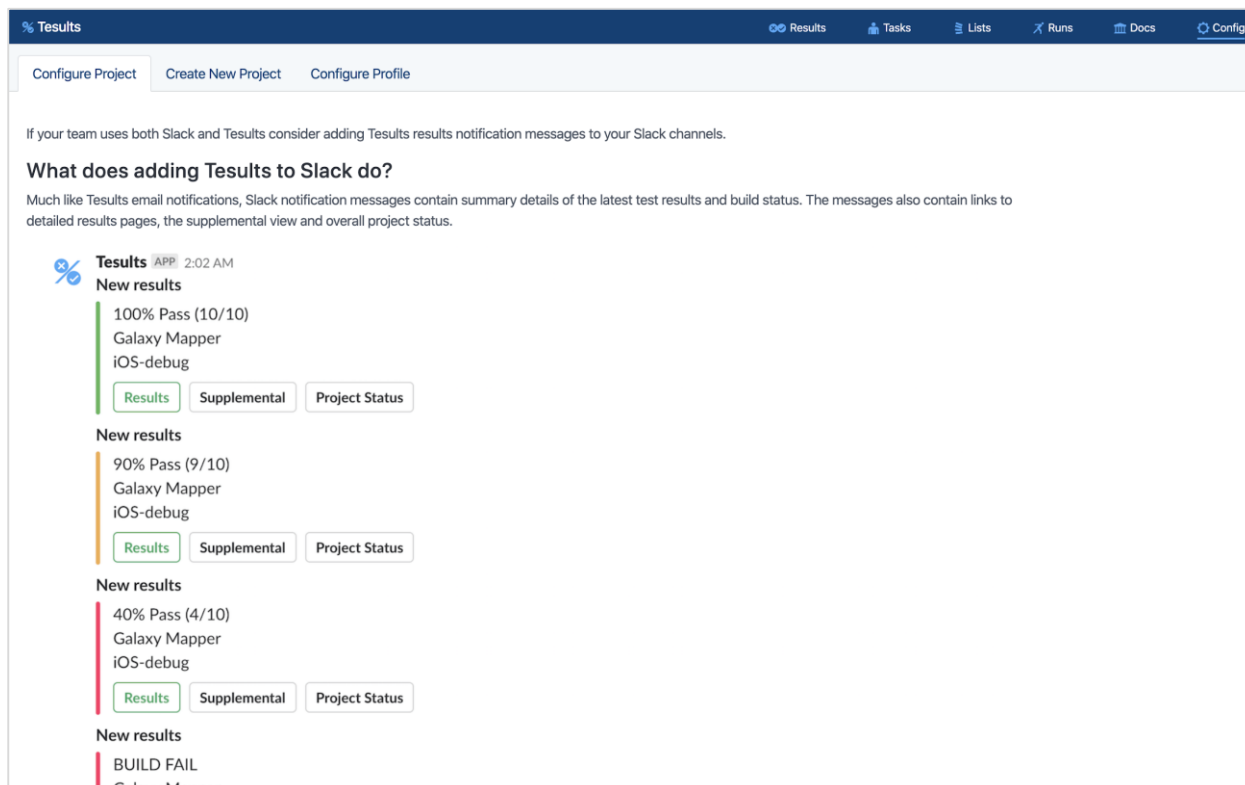
Administrative

When team members are added or removed from a project notification messages are sent out about this.

9. Results — Integrations with Other Services

Results can integrate with Slack to deliver notifications based on test results. The roadmap page also mentions integration with **PagerDuty** coming and there may be others in the future but for this tutorial we focus on the Slack integration specifically.

Click **'config'** from the menu bar to access the configuration menu and then click Slack.



The screenshot shows the 'Results' application interface. At the top, there is a navigation bar with 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. Below this, there are tabs for 'Configure Project', 'Create New Project', and 'Configure Profile'. The main content area has a heading 'What does adding Results to Slack do?' and a sub-heading 'New results'. It displays three notification messages from the 'Results' app, each with a progress bar and buttons for 'Results', 'Supplemental', and 'Project Status'. The first message shows '100% Pass (10/10)' for 'Galaxy Mapper' and 'iOS-debug'. The second shows '90% Pass (9/10)' for 'Galaxy Mapper' and 'iOS-debug'. The third shows '40% Pass (4/10)' for 'Galaxy Mapper' and 'iOS-debug'. The fourth message is a 'BUILD FAIL' for 'Galaxy Mapper'.

The first step is to authorize Results to be able to send messages to your Slack channels. To do this, you must be logged in to **Slack** and **Results**. Then click the **'Add'** button as shown below:

Galaxy Mapper
iOS-debug

Results Supplemental Project Status

New results

40% Pass (4/10)
Galaxy Mapper
iOS-debug

Results Supplemental Project Status

New results

BUILD FAIL
Galaxy Mapper
iOS-debug

Results Supplemental Project Status

If your team uses Slack throughout the day you can now be notified of new results within your channel and go directly to detailed Results pages by following the button links in the message.

How do I add Results to Slack?

Create at least one project on Testults. Read the [documentation](#) for detailed steps outlining how this is done.

Click the 'Add to Slack' button to authorize Testults to post messages to your Slack channels. You are able to configure which of your Slack channels you want to receive results notifications for.

Testults will post messages only when new results are generated and available.

Add to Slack

Back

% Testults

You are sent to Slack to authorise.

After confirmation you return to Testults and then can choose to enable notifications by **'project scope'** or **'target scope'**.

Project Scope

Project scope allows you to choose which Slack channel or channels should receive your test results notifications. All notifications from any target will be sent to the channels you select.

Target Scope

If you want more fine grain control, select target scope.

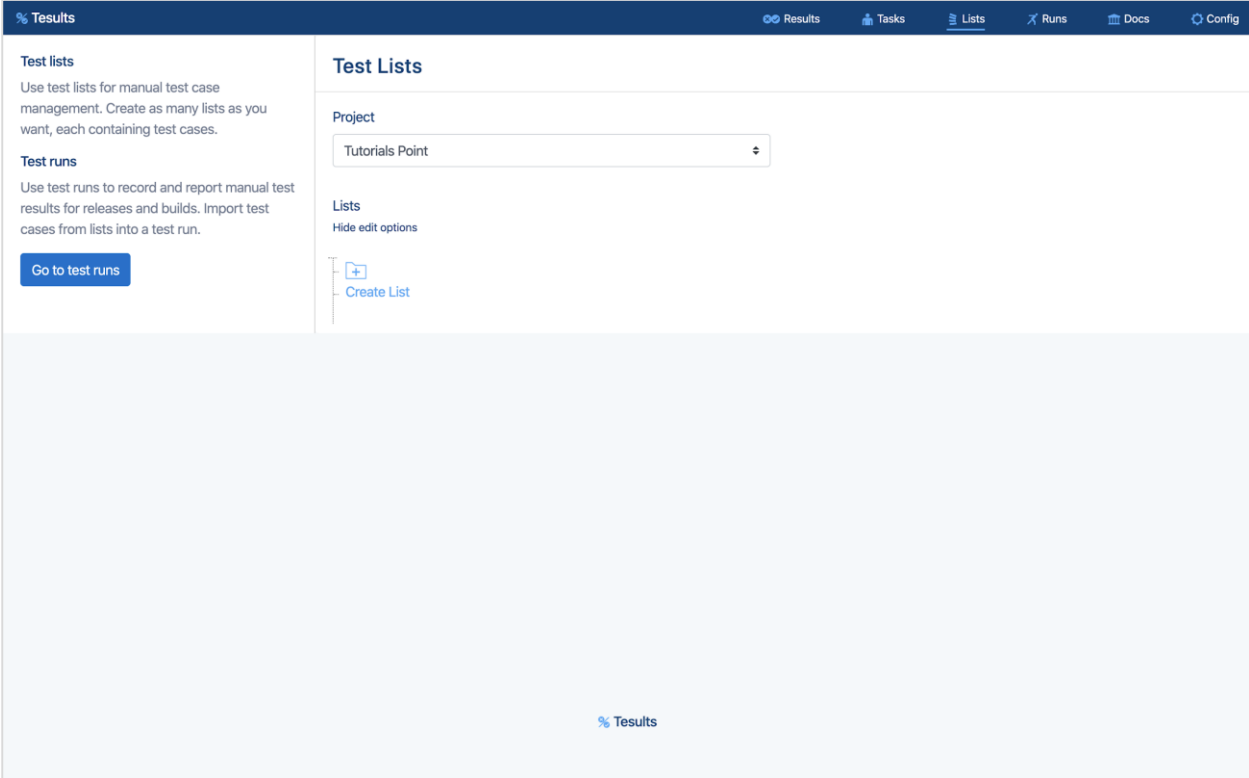
Now, you can choose the target from your Testults project and assign the Slack channel or channels you want to receive notifications for from a specific target. You can do this for every target.

This can be useful if you have Slack channels for different environments or project areas that should get more targeted notifications.

10. Results — Test Case Management with Lists

Test lists are used to manage test cases. Store test cases here are to reuse for each of your manual test runs or even for documenting automated tests.

Click '**lists**' from the menu to enter the Test Lists view.



The screenshot shows a web application interface for 'Test Lists'. At the top, there is a navigation bar with the following items: '% Results', 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main content area is divided into two columns. The left column contains two sections: 'Test lists' with the text 'Use test lists for manual test case management. Create as many lists as you want, each containing test cases.' and 'Test runs' with the text 'Use test runs to record and report manual test results for releases and builds. Import test cases from lists into a test run.' Below these sections is a blue button labeled 'Go to test runs'. The right column is titled 'Test Lists' and features a 'Project' dropdown menu currently set to 'Tutorials Point'. Below the dropdown is a 'Lists' section with the text 'Hide edit options' and a '+ Create List' button. The bottom of the page has a small '% Results' link.

Creating a test list

Click '**Create List**'. Note that you also create a group to begin, groups allow you to organise your test lists. If you are going to create a lot of test lists create groups.

The screenshot shows the 'Test Lists' creation page. On the left, there is a sidebar with the heading 'Name the list and then create it'. It contains two buttons: a blue 'Create List' button and a white 'Back to lists' button. The main content area is titled 'Test Lists' and shows 'Project: Tutorials Point'. Below that, there is a 'List name' label and an input field containing the text 'Tutorials Point Web Tests'. At the bottom center of the page, there is a small blue icon and the text '% Results'.

Now, name your test list and confirm. Your list will appear and you can immediately start adding test cases to it.

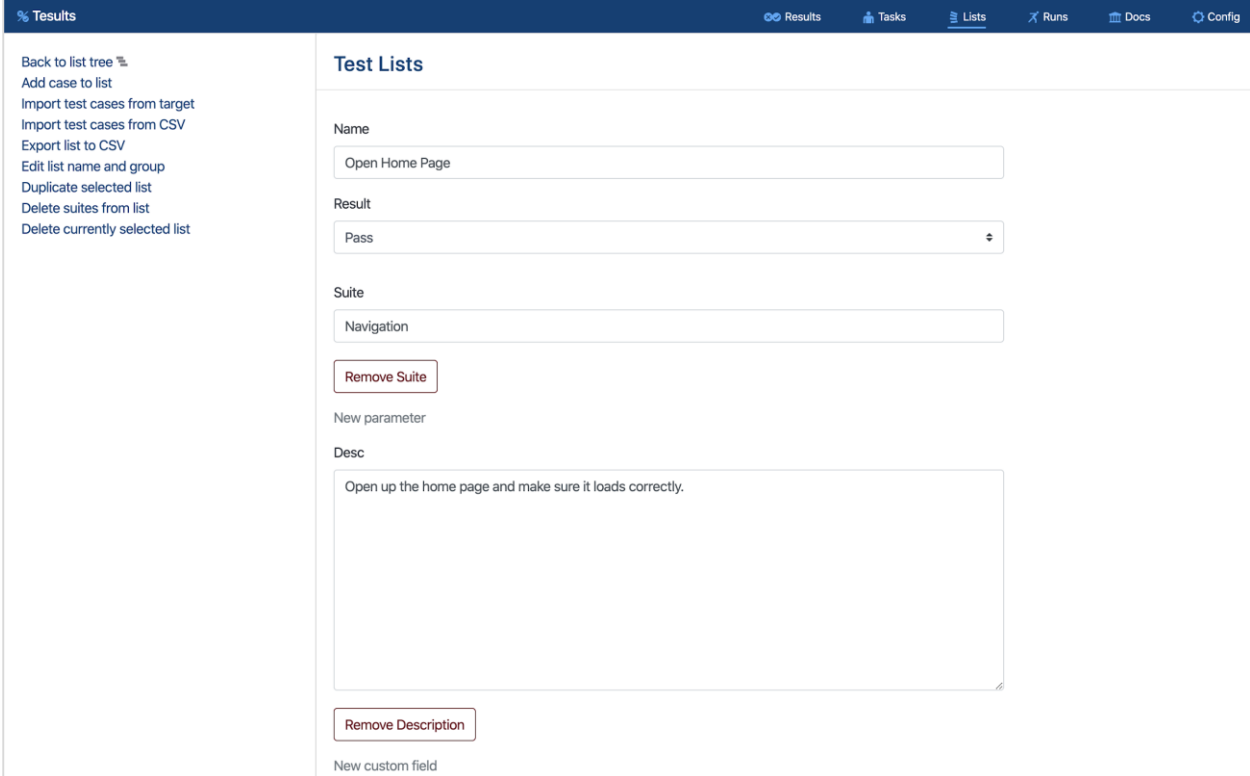
The screenshot shows the 'Test Lists' management page. The left sidebar is titled 'Back to list tree' and lists several actions: 'Add case to list', 'Import test cases from target', 'Import test cases from CSV', 'Export list to CSV', 'Edit list name and group', 'Duplicate selected list', 'Delete suites from list', and 'Delete currently selected list'. The main content area is titled 'Test Lists' and shows a list entry for 'Tutorials Point Web Tests'. Below the list name, it says 'There are no cases for this list.' and provides a 'List link: <https://www.testresults.com/lists/lsp/94e62625-0c61-4217-a039-60027c666d70/1571497615095>'. At the bottom center of the page, there is a small blue icon and the text '% Results'.

Adding test cases

Adding test cases include three types which are 'manual', 'import from CSV' and 'import from target'. Let us begin with understanding about Manual.

Manual

Click '**Add case to list**' to add a test case manually.



The screenshot shows the 'Test Lists' form in the Results application. The form is titled 'Test Lists' and has a sidebar on the left with the following options: 'Back to list tree', 'Add case to list', 'Import test cases from target', 'Import test cases from CSV', 'Export list to CSV', 'Edit list name and group', 'Duplicate selected list', 'Delete suites from list', and 'Delete currently selected list'. The main form fields are: 'Name' (text input with 'Open Home Page'), 'Result' (dropdown menu with 'Pass'), 'Suite' (text input with 'Navigation'), 'Remove Suite' (button), 'New parameter' (text input), 'Desc' (text area with 'Open up the home page and make sure it loads correctly.'), 'Remove Description' (button), and 'New custom field' (text input).

Enter test case details such as:

- Name
- Result
- Description
- Suite
- Parameters
- Custom fields

Click '**Save Case**' and you will see that the case has appeared in the list.

The screenshot shows the 'Test Lists' section of the application. On the left, there is a sidebar with various actions like 'Back to list tree', 'Add case to list', and 'Import test cases from target'. The main area is titled 'Test Lists' and shows a list for 'Tutorials Point Web Tests'. Below the title, there is a 'Navigation' item with a green bar and a checkmark. The interface includes a top navigation bar with 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config' tabs. A list link is provided at the bottom: <https://www.testresults.com/lists/lsp/94e62625-0c61-4217-a039-60027c666d70/1571497615095>.

Import from CSV

You can also import cases from a csv file.

The screenshot shows the 'Importing to list' dialog for 'Tutorials Point Web Tests'. The dialog has two buttons: 'Confirm Import' and 'Back to lists'. The main content area is titled 'Test Lists' and contains instructions for importing a CSV file. It states: 'Select a csv file to import test cases from to list: Tutorials Point Web Tests. The first row must be a header row with the names:'. A bulleted list of required fields is shown: name, result, suite, desc, reason, and _Custom. Below this, there is an explanation of the fields and an example CSV snippet:


```
name,result,suite,desc,reason,_customField1,_customField2
Test 1,pass,Suite A,Test 1 description,,custom1 value,custom2 value
Test 2,fail,Suite A,Test 2 description,failure reason here,custom1 value,custom2 value
Test 3,pass,Suite B,Test 3 description,,custom1 value,custom2 value
```

 At the bottom of the dialog, there is a 'Choose File' button and the text 'No file chosen'. The interface includes a top navigation bar with 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config' tabs.

You need to ensure your csv file has the data laid out such the first row of the columns is the field names.

Import from Target

A third way to import test cases is from a target (existing test results).

The screenshot shows the 'Test Lists' interface for 'Tutorials Point Web Tests'. On the left, there is a sidebar with a dropdown menu set to 'Tutorials Point Web Tests' and buttons for 'Import' and 'Back to lists'. The main area displays a list of test cases under the 'Authentication' category (3/4). The 'Forgot Password' test case is highlighted in red and has a red 'X' icon, while 'Sign Up', 'Sign In', and 'Reset Password' have green checkmarks. Below this, the 'Load Page' category (8/8) is shown with all test cases (Home and Login for Chrome, Edge, Firefox, and Safari) marked with green checkmarks. The 'Navigation' category (9/10) is partially visible at the bottom.

Select the target you want to import test cases from.

Updating test cases

Once your test list has been created and test cases added, you can edit or update test cases by clicking on a specific test case.

The screenshot shows a 'Forgot Password' test case details modal window. The modal has a red header with the title 'Forgot Password' and a close button. Below the header, the project name 'Project: Tutorials Point' is displayed. The main content area is divided into sections: 'Result' (Fail with a red 'x' icon), 'Suite' (Authentication), 'Description' (Forgot password), 'Failure Reason' (Failed to send forgot password email.), and 'Comments' (No comments, with an 'Add new comment' button). At the bottom of the modal, there are four buttons: 'Duplicate', 'Delete', 'Edit', and 'Close'. The background shows a list of test cases with a red 'x' icon next to the 'Forgot Password' case.

Click '**Edit**' from the footer of the test case.

The screenshot shows the 'Test Lists' edit form. The form has a white background and a blue header. The fields are: 'Name' (Forgot Password), 'Result' (Pass), 'Suite' (Authentication), 'Remove Suite' button, 'New parameter' (empty), 'Desc' (Forgot password), and 'Remove Description' button. At the bottom, there is a 'New custom field' section.

You can change any field; in this case we change the result from fail to pass.

The screenshot displays the TestResults application interface. A modal window titled "Forgot Password" is open, showing the results for a test case. The modal content is as follows:

Forgot Password	
Project: Tutorials Point	
Result	Pass ✓
Suite	Authentication
Description	Forgot password
Comments	No comments. Add new comment

At the bottom of the modal, there are four buttons: Duplicate, Delete, Edit, and Close.

The background shows a list of test cases with columns for Name, Description, and Status. The list includes:

Name	Description	Status
Home (Chrome)	Load Page	Pass ✓
Home (Edge)	Load Page	Pass ✓
Home (Firefox)	Load Page	Pass ✓
Home (Safari)	Load Page	Pass ✓
Login (Chrome)	Load Page	Pass ✓
Login (Edge)	Load Page	Pass ✓
Login (Firefox)	Load Page	Pass ✓
Login (Safari)	Load Page	Pass ✓

The interface also shows a sidebar with navigation options and a top navigation bar with tabs for Results, Tasks, Lists, Runs, Docs, and Config.

Deleting test cases

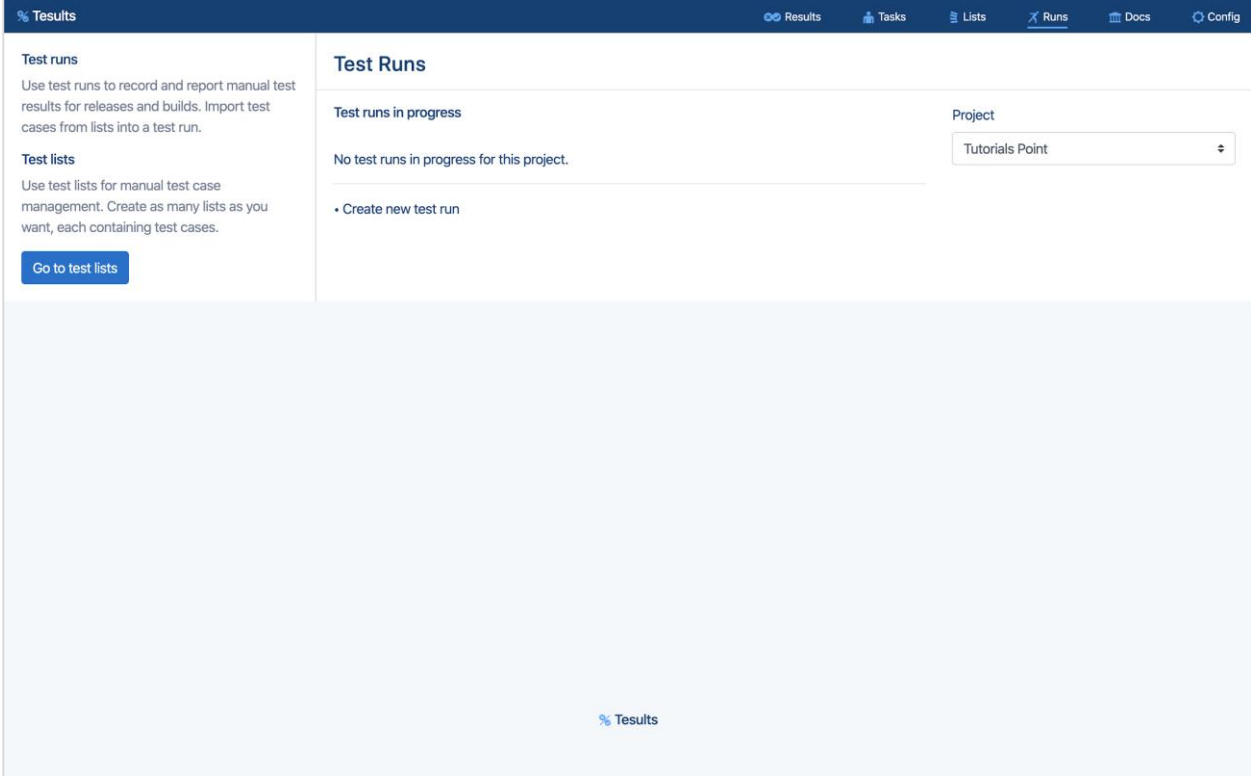
In the same way, you can delete a test case by clicking '**Delete**' from the footer of a selected test case.

Use with Test Runs

You can use test lists with manual test runs, how to do this is explained in the next section.

11. Results — Test Runs for Manual Testing

Test runs are used to conduct manual testing. Click **'runs'** from the menu to access test runs.



The screenshot displays the 'Test Results' application interface. The top navigation bar includes 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main content area is divided into two columns. The left column contains a 'Test runs' section with a description: 'Use test runs to record and report manual test results for releases and builds. Import test cases from lists into a test run.' Below this is a 'Test lists' section with a description: 'Use test lists for manual test case management. Create as many lists as you want, each containing test cases.' A blue button labeled 'Go to test lists' is positioned below the 'Test lists' section. The right column is titled 'Test Runs' and features a 'Project' dropdown menu currently set to 'Tutorials Point'. Below the dropdown, it states 'No test runs in progress for this project.' and includes a link to 'Create new test run'. The footer of the interface shows the 'Results' logo.

Create a test run

First thing to do is create a test run. Click **'Create new test run'** and then enter a name for your test run and confirm to create.

The name here is a temporary name. By default, Results sets it to the current date and time. The name is used to come back to a test run later on or share a test run with other team members to work on at the same time.

After confirming the new test run is created and it will be empty.

Adding test cases

To add a test case manually click add new case. Now, you can add test case details including: -

- Name
- Result
- Suite
- Parameters
- Description
- Files (upload test case related files)
- Custom Fields

The screenshot shows a web application interface for managing test runs. The top navigation bar includes 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main content area is titled 'Test Runs' and features a 'Cancel' button in the top left. The form includes the following elements:

- Name:** A text input field.
- Result:** A dropdown menu currently showing 'Pass'.
- Add suite:** A text input field.
- New parameter:** A text input field.
- Add description:** A text input field.
- Add File:** A text input field.
- New custom field:** A text input field.
- Mark Done:** A dropdown menu currently showing 'Not Done'.
- Save Case:** A blue button.
- Cancel:** A blue button.
- Message:** 'A name is required' displayed below the 'Save Case' button.

Save the case and you will see that it is added to the test run.

Importing test cases from a List

You can also add test cases from a test list (see previous section for creating test lists). This is the most efficient way to add test cases because for each new test run you can use your existing test cases.

Click Import Cases and then select a test list from the dropdown list and click Import.

The screenshot displays the 'Test Results' page for 'Tutorials Point Web Tests'. The interface includes a sidebar on the left with 'Test Lists' and an 'Import' button. The main area shows a table of test runs, categorized into 'Authentication', 'Load Page', and 'Navigation'. Each row represents a test case with its name, category, and a green checkmark indicating a successful result.

Test Case Name	Category	Status
Authentication (4/4)		
Sign Up	Authentication	✓
Sign In	Authentication	✓
Forgot Password	Authentication	✓
Reset Password	Authentication	✓
Load Page (8/8)		
Home (Chrome)	Load Page	✓
Home (Edge)	Load Page	✓
Home (Firefox)	Load Page	✓
Home (Safari)	Load Page	✓
Login (Chrome)	Load Page	✓
Login (Edge)	Load Page	✓
Login (Firefox)	Load Page	✓
Login (Safari)	Load Page	✓
Navigation (10/11)		

Editing test cases

To edit a test case, click it to open up test case details.

Click **'edit'** from the footer.

The screenshot shows the 'Results' page with a 'Sign Up' modal open. The modal details are as follows:

Result	Pass ✓
Suite	Authentication
Description	Sign up for the first time
Comments	No comments. Add new comment

At the bottom of the modal are buttons: [Mark Done](#), [Duplicate](#), [Delete](#), [Edit](#), and [Close](#).

In the background, a table of test runs is visible:

Test Case Name	Result
Home (Chrome)	Load Page ✓
Home (Edge)	Load Page ✓
Home (Firefox)	Load Page ✓
Home (Safari)	Load Page ✓
Login (Chrome)	Load Page ✓
Login (Edge)	Load Page ✓
Login (Firefox)	Load Page ✓
Login (Safari)	Load Page ✓

The 'Test Runs' form contains the following information:

- Name:** Sign Up
- Result:** Pass
- Suite:** Authentication
- Remove Suite:** [Remove Suite](#)
- Description:** Sign up for the first time
- Remove Description:** [Remove Description](#)
- Add File:** [Add File](#)

Deleting test cases

You can delete a test case in the same way. Select it and click 'delete' from the footer.

Assigning test cases to team members

By default, test cases are unassigned and all test cases are shown from the list. Change test cases shown to a specific team member by changing the dropdown list from 'All' to a team member's name.

Once a team member is selected, including yourself, you can assign test cases to specific people. A new '**Assign**' button appears. Click it and the test run will change to display all test cases with indicators showing whether the test case is assigned to the currently selected person, or is unassigned or is assigned to someone else.

The screenshot shows the 'Test Runs' section of the application. On the left, a sidebar indicates the current test assignment is for 'Conrad Pecker' with a 'Done' button. The main area is titled 'Test Runs' and shows a 'Tutorials Point New Test Run for Web'.

Instructions: Select a test case to assign it to **Conrad Pecker**. Click Done to finish assigning and then Save to save changes.

- Test cases with this color indicate they have not been assigned to anyone.
- Test cases with this color indicate they have been assigned to someone else. Selecting will reassign them to **Conrad Pecker**.
- Test cases with this color indicate they are assigned to **Conrad Pecker**.

Unassigned: 26

Authentication (4/4) Assign Suite 4

Sign Up	Authentication	✓
Sign In	Authentication	✓
Forgot Password	Authentication	✓
Reset Password	Authentication	✓

Load Page (8/8) Assign Suite 8

Home (Chrome)	Load Page	✓
Home (Edge)	Load Page	✓
Home (Firefox)	Load Page	✓
Home (Safari)	Load Page	✓
Login (Chrome)	Load Page	✓
Login (Edge)	Load Page	✓

Now, you can click a test case to assign it to the currently selected team member, and click again to unassign. Click '**Done**' once you are finished.

Test assignment for:
Conrad Pecker
[Done](#)

Test Runs

Tutorials Point New Test Run for Web
Select a test case to assign it to **Conrad Pecker**. Click Done to finish assigning and then Save to save changes.

- Test cases with this color indicate they have not been assigned to anyone.
- Test cases with this color indicate they have been assigned to someone else. Selecting will reassign them to **Conrad Pecker**.
- Test cases with this color indicate they are assigned to **Conrad Pecker**.

Conrad Pecker: 3
Unassigned: 23

Authentication (4/4) [Assign Suite](#) 4

Sign Up	Authentication	✓
Sign In	Authentication	✓
Forgot Password	Authentication	✓
Reset Password	Authentication	✓

Load Page (8/8) [Assign Suite](#) 8

Home (Chrome)	Load Page	✓
Home (Edge)	Load Page	✓
Home (Firefox)	Load Page	✓
Home (Safari)	Load Page	✓
Login (Chrome)	Load Page	✓

Having 'All' selected will continue to display all test cases, and selecting a team member will display what test cases are assigned to that individual.

Test Results

Show cases assigned to team member:
Conrad Pecker [Assign](#)

[Back to test runs](#) [Add new case](#) [Import Cases](#) [Mark All Done](#) [Mark All Not Done](#) [Delete run](#) [Change test run label](#)

[Submit results](#)
Mark all test cases as done to enable submit

Test Runs

Tutorials Point New Test Run for Web
Sort by: Suite | Name | Result

Select a test case to edit details. Mark cases as done to submit results.

Conrad Pecker: 3
Unassigned: 23
0% complete (0 / 3)

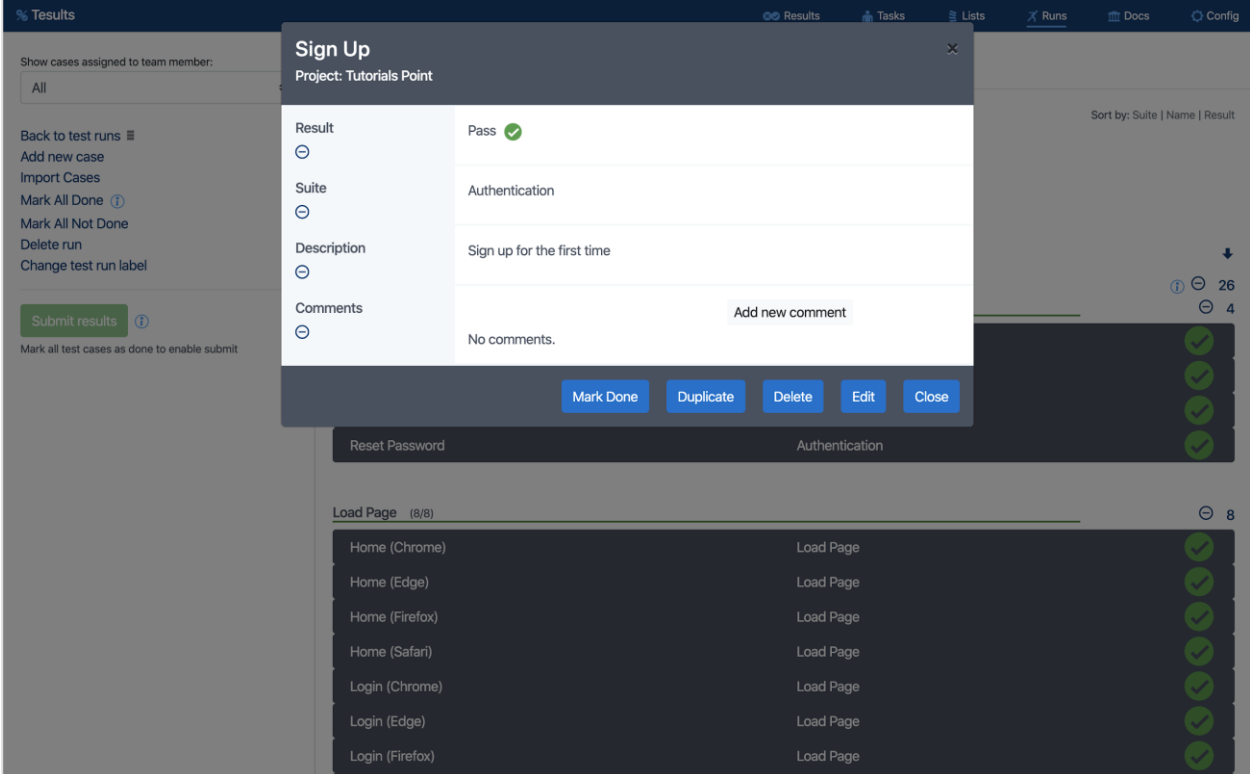
Authentication (3/3) [Assign Suite](#) 3

Sign Up	Authentication	✓
Sign In	Authentication	✓
Forgot Password	Authentication	✓

Run link: <https://www.testults.com/manual/msp/94e62625-0c61-4217-a039-60027c666d70/1571498839985>

Marking test cases as done

By default, all test cases in the test run are marked as incomplete. This means that they need to be worked on. To indicate that test case has been completed, select the test case and from the footer click '**Mark Done**'.



The screenshot displays the Test Results interface for a project named 'Tutorials Point'. A modal window titled 'Sign Up' is open, showing the test case details. The 'Result' is 'Pass' with a green checkmark. The 'Suite' is 'Authentication' and the 'Description' is 'Sign up for the first time'. There are no comments. The modal has buttons for 'Mark Done', 'Duplicate', 'Delete', 'Edit', and 'Close'. In the background, a table of test cases is visible, including 'Reset Password' (Authentication) and 'Load Page' (8/8). The 'Load Page' test case has 8 sub-cases, all marked as 'Pass' with green checkmarks. The interface also shows a sidebar with navigation options like 'Back to test runs', 'Add new case', 'Import Cases', 'Mark All Done', 'Mark All Not Done', 'Delete run', and 'Change test run label'. A 'Submit results' button is also present.

At the top of the test, run the percentage of completed test cases is displayed along with the number that are assigned to team members.

The screenshot shows a web application interface for test results. At the top, there is a navigation bar with 'Results', 'Tasks', 'Lists', 'Runs', 'Docs', and 'Config'. The main content area is titled 'Test Runs' and displays a specific test run: 'Tutorials Point New Test Run for Web'. Below the title, it shows 'Conrad Pecker: 3' and 'Unassigned: 23', with a progress indicator '3% complete (1 / 26)'. A 'Submit results' button is visible on the left sidebar. The main list shows two categories of test cases: 'Authentication (4/4)' and 'Load Page (8/8)'. Each category lists individual test cases with their status (e.g., 'Sign Up', 'Sign In', 'Forgot Password', 'Reset Password', 'Home (Chrome)', 'Home (Edge)', 'Home (Firefox)', 'Home (Safari)', 'Login (Chrome)', 'Login (Edge)', 'Login (Firefox)') and their results (e.g., 'Authentication', 'Load Page'). Green checkmarks indicate that all test cases in both categories are completed.

Marking test cases as done makes it easy to keep track of which test cases have been looked at and understand the progress of the run.

Submitting manual results

After all test cases in the run have been marked as complete, the 'Submit Test Run' button is enabled and you can click it to submit results to one of your project targets.

Test Runs

Tutorials Point New Test Run for Web

Select a test case to edit details. Mark cases as done to submit results.

Conrad Pecker: 3
Unassigned: 23
100% complete (26 / 26)

Authentication (4/4)

Sign Up	Authentication	✓
Sign In	Authentication	✓
Forgot Password	Authentication	✓
Reset Password	Authentication	✓

Load Page (8/8)

Home (Chrome)	Load Page	✓
Home (Edge)	Load Page	✓
Home (Firefox)	Load Page	✓
Home (Safari)	Load Page	✓
Login (Chrome)	Load Page	✓
Login (Edge)	Load Page	✓
Login (Firefox)	Load Page	✓

Submit Test Run

Choose the appropriate target from the dropdown list and click 'Submit Results'.

Ensure your results are ready to be submitted before clicking submit, in progress results will be cleared after successful submission.

Submit results

Back

Test Runs

Target

Select a target to upload results to.

Tutorials Point Web Tests

Since automated test runs may be by submitting results to particular targets, you may want to create separate targets for manual test runs, otherwise, historical data and comparisons will break and cause confusion.

It may be better in some cases not to submit results if the test run is for internal use with a test team and not for wider use. Simply view the test run within the team and then create a new test run to start a new one.

If you have created targets specifically for manual test runs, then submitting results is a good idea. After submitting you can click '**results**' from the menu bar to view results.