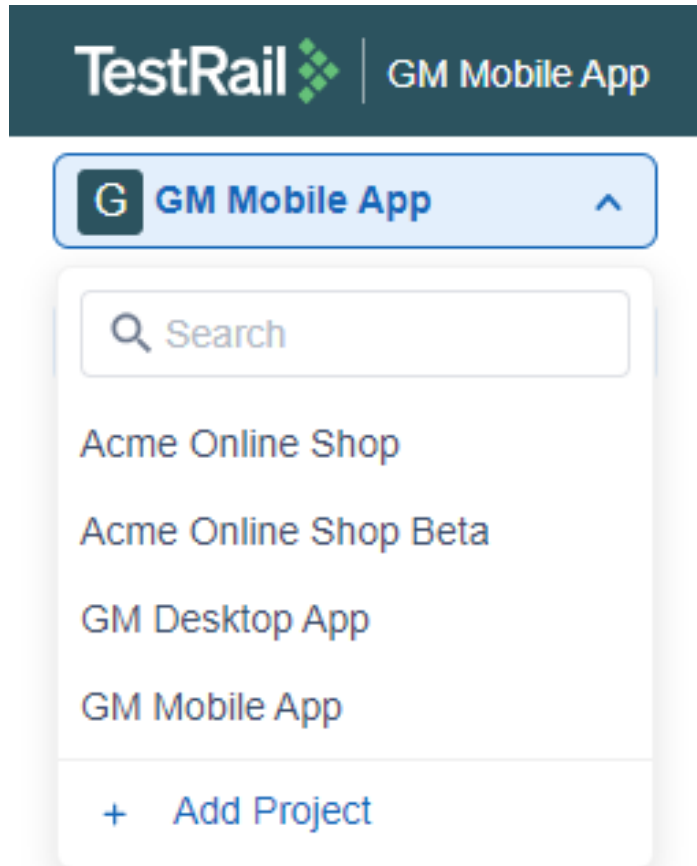


Test Case Management and QA

TestRail

- It is a web-based test case management tool
- Primary used by testers to manage, track and organize software testing efforts.

The dashboard



Why should we use TestRail?

- Manage test cases, Test Suites and test Runs
- Real-time insights into your test progress
- Organize testing efforts

Two Major QA Tasks

- 1) Test Case Design
- 2) Test Case Execution

Testing Management Software Features

Test Management

- Unlimited projects
- Test cases and suites
- Custom test case templates
- Test runs, plans, and milestones
- Dashboard and reports
- Test parameterization
- Test case approvals
- Test case versioning

Integration and Customization

- Import and export via CSV or XML
- Reference & defect integrations
- TestRail Integration for Jira
- RESTful API
- Customizable UI scripts
- Customizable email notifications

Security & Compliance

- Role-based access control
- Custom roles and user groups
- Project administrator permissions
- Audit log
- Single sign-on (SSO) via SAML, OAuth, and OpenID Connect
- LDAP and AD support
- Server Only
- Server Only
- IP allow list
- Automatic daily backups
- Cloud Only
- Cloud Only
- Custom backup schedule and on-demand restore
- Cloud Only

Test cases and sections

Which tools would you like to connect to TestRail?
You can select multiple options.

- Selenium
- Jira
- Jenkins
- Cucumber
- GitHub Issues
- Azure DevOps
- JUnit
- GitLab
- Travis CI
- Cypress
- Appium
- Circle CI

The screenshot displays the TestRail web interface. At the top, the header includes the TestRail logo, the project name 'Acme Online Shop', an 'Add' dropdown, a search bar, and user information 'Working On', 'Gus Raimi', and 'Admin'. The left sidebar shows a navigation menu with 'Project Overview', 'To-Do', 'Test Cases' (selected), 'Test Runs & Results', 'Milestones', and 'Reports'. Below the menu is a blue 'Add Test Case' button and a summary: 'Contains 21 sections and 157 cases.' with an 'Edit description' link. The main content area is titled 'Test Cases' and features a toolbar with icons for cloning, refreshing, undo, redo, and printing, along with links for 'View Test Data', 'Shared Test Steps', 'Defects', 'Reports', and 'Run Test'. Below the toolbar, there are filters for 'Sort: Section' and 'Filter: None', a 'Display Deleted Test Cases' toggle, and buttons for '+ Add Case', 'Assign To', 'Edit', 'Delete', and 'Columns'. The 'Login & Account' section (5 items) lists test cases C4984 through C4988. The 'Prerequisites' section (14 items) lists test cases C2243 through C2246. A green question mark icon is visible in the bottom right corner of the main content area.

Test Cases

Sort: [Section](#) | Filter: [None](#) | ☐ Display Deleted Test Cases | [+ Add Case](#) | [Assign To](#) | [Edit](#) | [Delete](#) | [Columns](#)

Login & Account 5

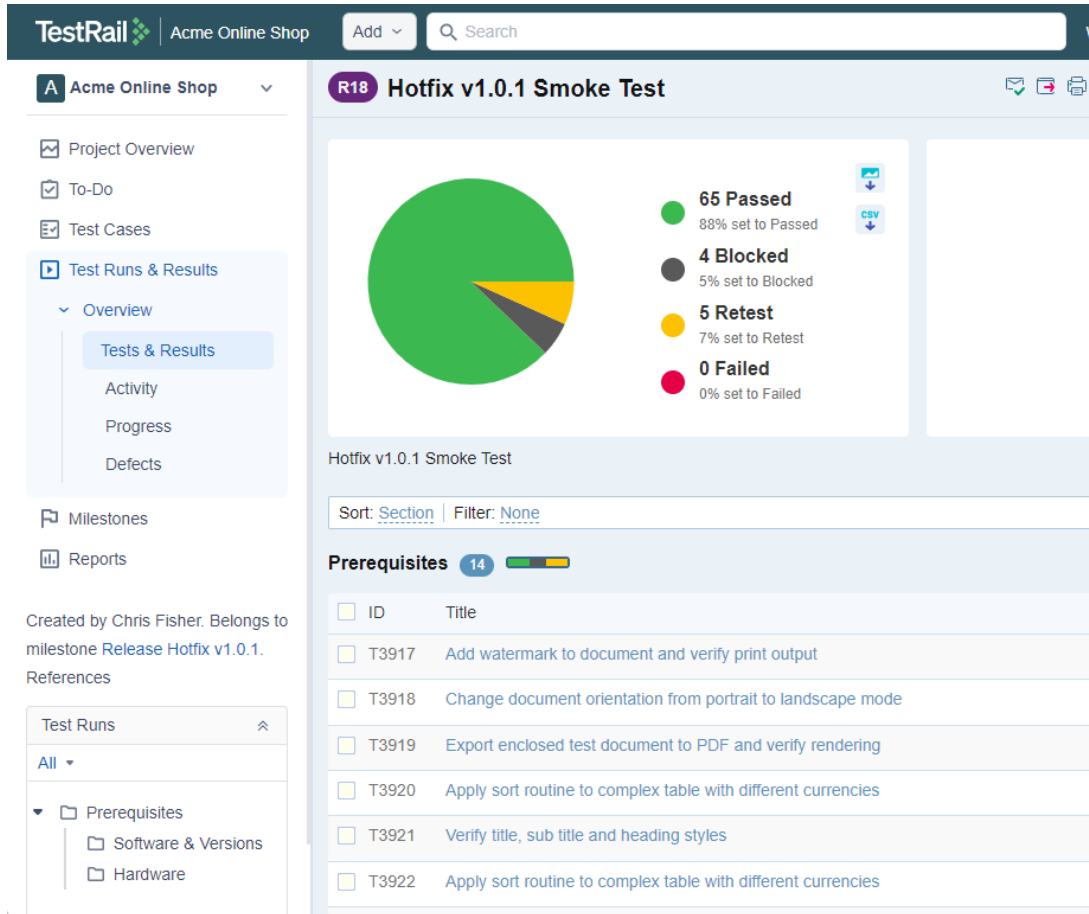
ID	Title
C4984	Valid User Account, Valid Login Action
C4985	Invalid User Account
C4986	Locked User Account Login Attempt
C4987	Self Service Password Reset
C4988	Forgot Username Self Service

[Add Case](#) | [Add Subsection](#)

Prerequisites 14

ID	Title
C2243	Add watermark to document and verify print output
C2244	Change document orientation from portrait to landscape mode
C2245	Export enclosed test document to PDF and verify rendering
C2246	Apply sort routine to complex table with different currencies

Test runs and tests



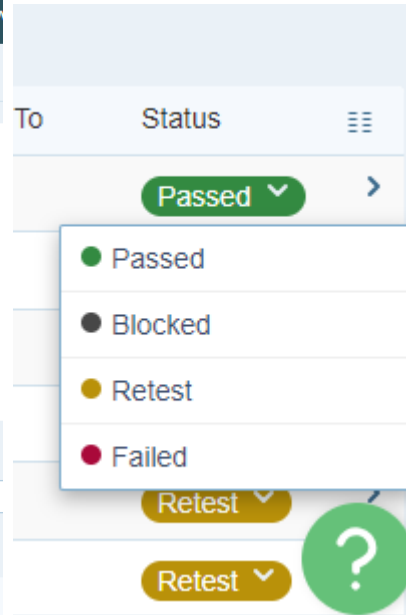
•**Untested:** By default, new tests have the status Untested. Once a test result has been added to a test, it can never receive the Untested status again.

•**Passed:** A test is marked as Passed when a tester verified the test steps and the expected results.

•**Failed:** A tester marks a test as Failed if one of the specified test steps resulted in an error or if the expected result differs from the actual test result.

•**Retest:** If a developer or tester determines that a test should be tested again, she marks the test as Retest. E.g., if a test originally failed and the developer fixed the problem, the developer can mark it to be retested.

•**Blocked:** The Blocked status is used to signal that a test cannot be executed currently because of some external dependency (such as a bug that needs to be fixed before being able to complete to test). It is often used in combination with the Retest status.



Test Management in TestRail

Project

Test Planning

Suites (Optional)

Section(s)

Test Case A

Test Case B

Test Case C

Test Execution

Milestones (Optional)

Test Plans (Optional)

Test Run 1

Test A



Test B



Test C



Test Run 2

Test A



Test B

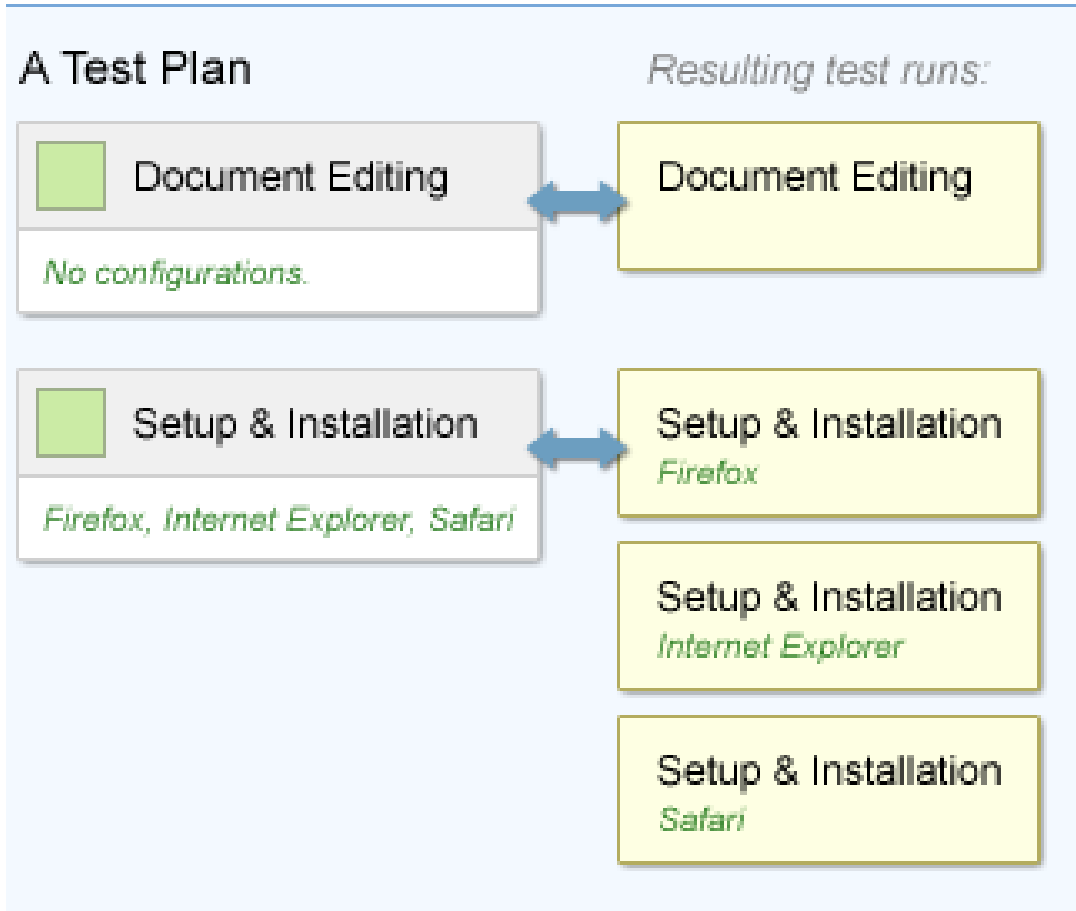


Test C



Reports

Test plans and configurations



A Acme Online Shop ▾

Project Overview

To-Do

Test Cases

Test Runs & Results

▾ Overview

Tests & Results

Activity

Progress

Defects

Milestones

Reports

Add File

Drop files here to attach, or click on
"+" to browse



Add Test Run(s)

R19 Release v1.1.0 Browser Validation Tests

Defects ▾

Name *

Release v1.1.0

Ex: All supported b

References

Add reference ID's

Milestone

Release v1.1.0

The milestone this

Description

Release v1.1.0 Br

Use this descriptio

Desktop

✓ OK

✗ Cancel

5 test cases included (select cases, include all or dynamic filters) | Assigned to: **Nobody** (change) | [Description](#),
[References & Data](#)

Select Configurations



Chrome

Add Configuration

IE

Add Configuration

Safari

Add Configuration

Add Group

✓ Configurations



To-dos and notifications

TestRail

Acme Online Shop Beta

Add

Search

Working On

?

Gus Raimi

Admin

Acme Online Shop ...

Project Overview

To-Do

Test Cases

Test Runs & Results

Milestones

Reports

Filter By User

Select Me | All | None

Show Unassigned

Filter User

Automation User

Chris Fisher

Christian Barnes

Gus Raimi

Heather Vogel

Keith Nagel

Lautaro Da Silva

Patricia Fucsi

Peter Fussy

Simon Kirby

To-Do

Chris Fisher

Christian Barnes

Heather Vogel

Keith Nagel

Peter Fussy

Simon Kirby

0

20

40

60

80

100

120

Completion Pending

Active

Upcoming

Test Cases

TEST RUNS

TEST CASES

Group by: None | Filter: None

Browser test (Chrome) (76)

143 unassigned

37%

Browser test (Firefox) (77)

142 unassigned

62%

Browser test (IE 10) (73)

146 unassigned

54%

Browser test (IE 11) (79)

140 unassigned

53%

Browser test (Safari) (78)

141 unassigned

55%

Release 1.0: Run 2 (new features) (84)

135 unassigned

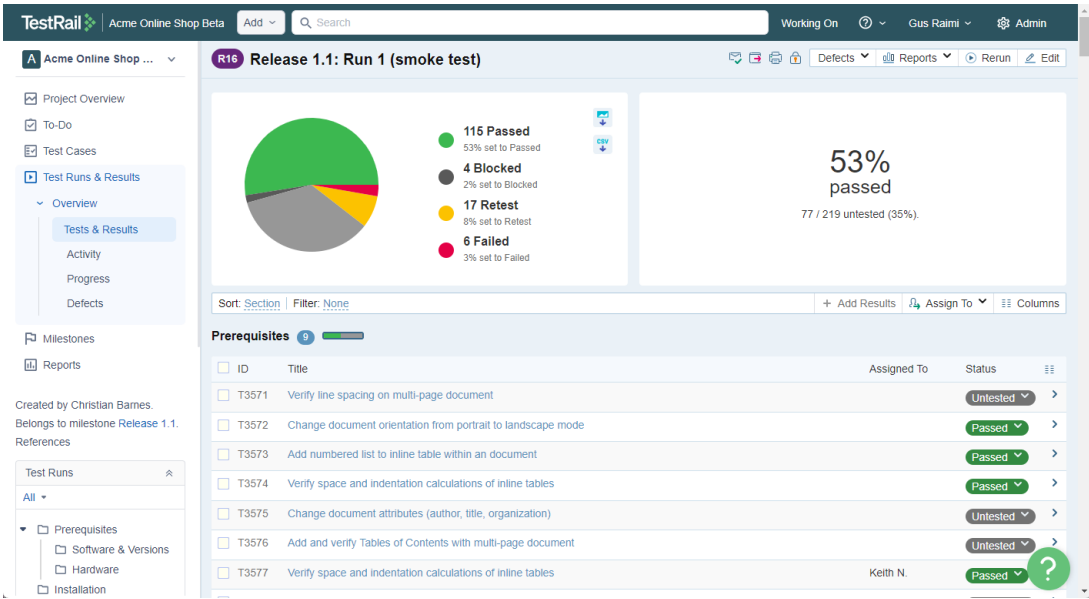
41%

FACEKAY

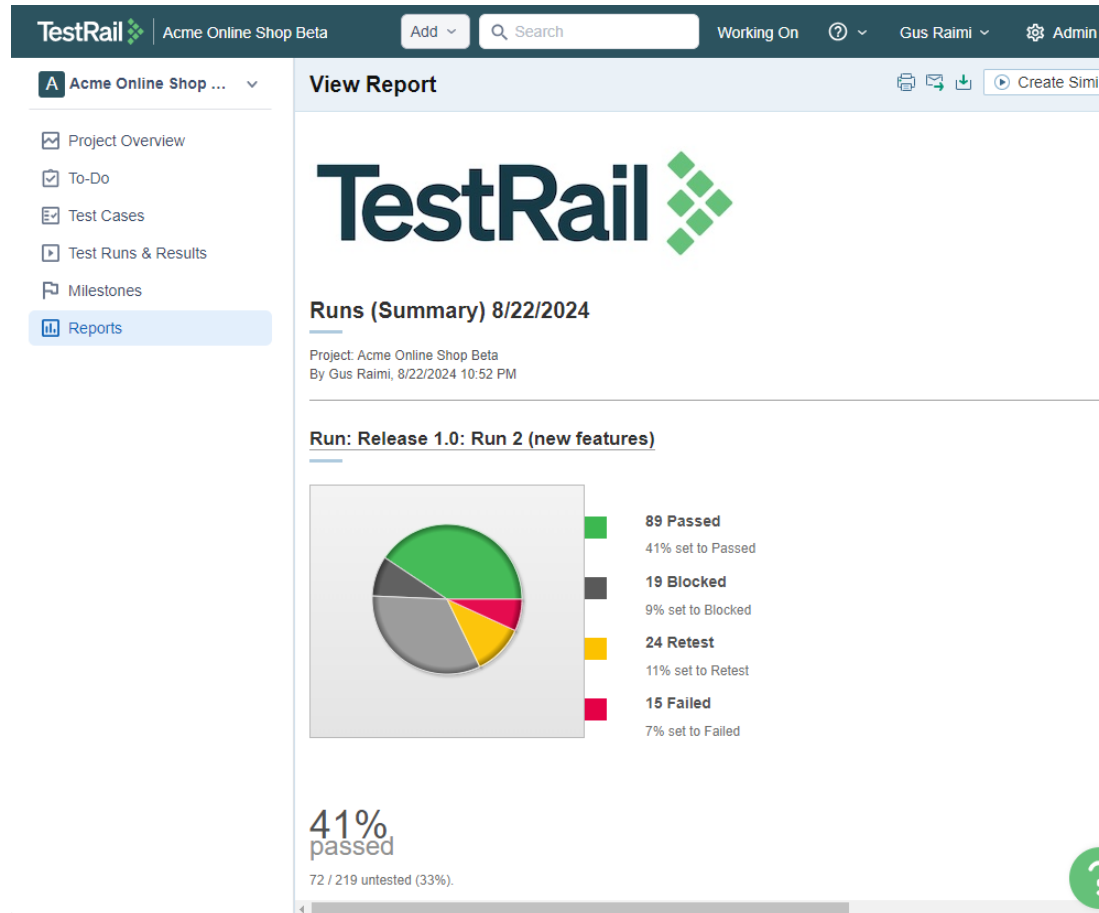
FACEKAY LLC
www.facekay.com

9

Tracking progress and activity



Reports.



Learn More about TestRail →

<https://www.testrail.com>