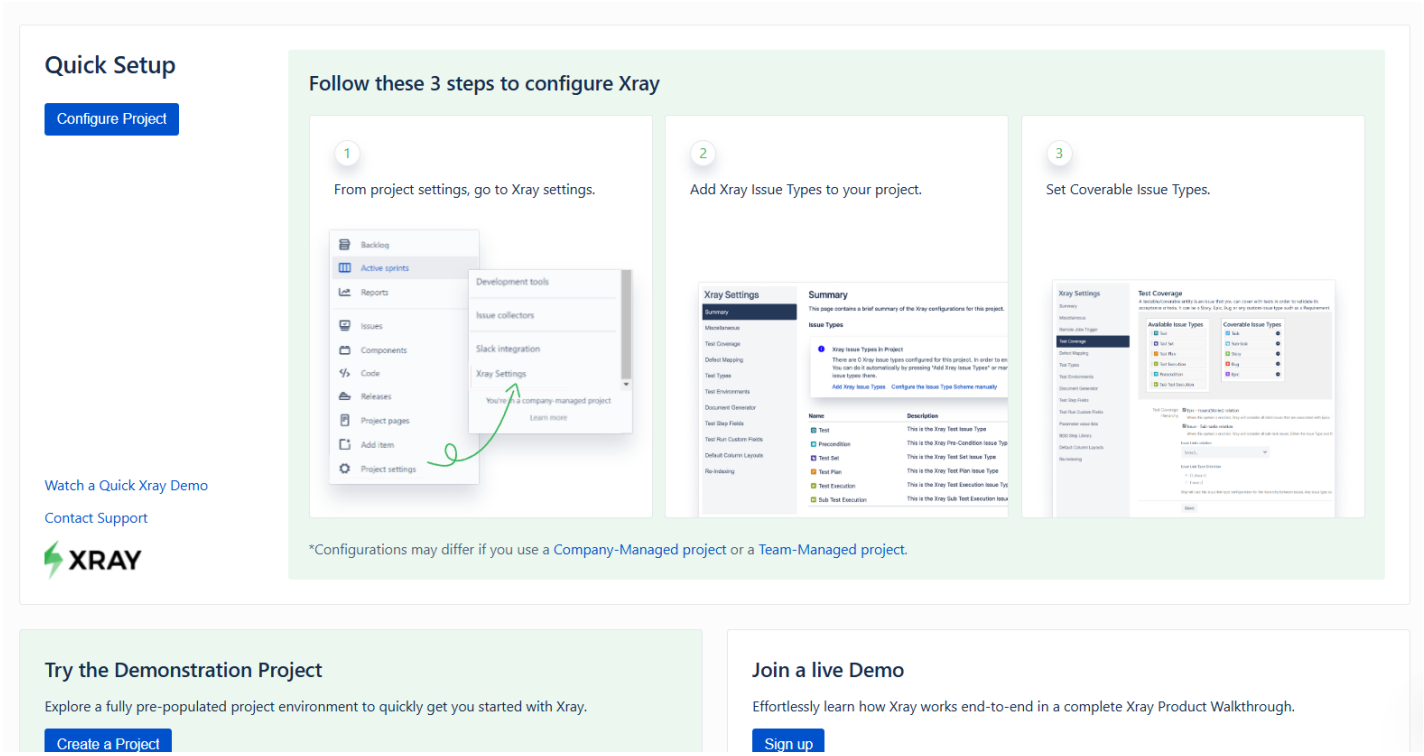
Xray is a **test management tool used inside Jira**.

In simple words, Xray helps teams **manage test cases, test execution, and test results directly in Jira**, instead of using separate testing tools.

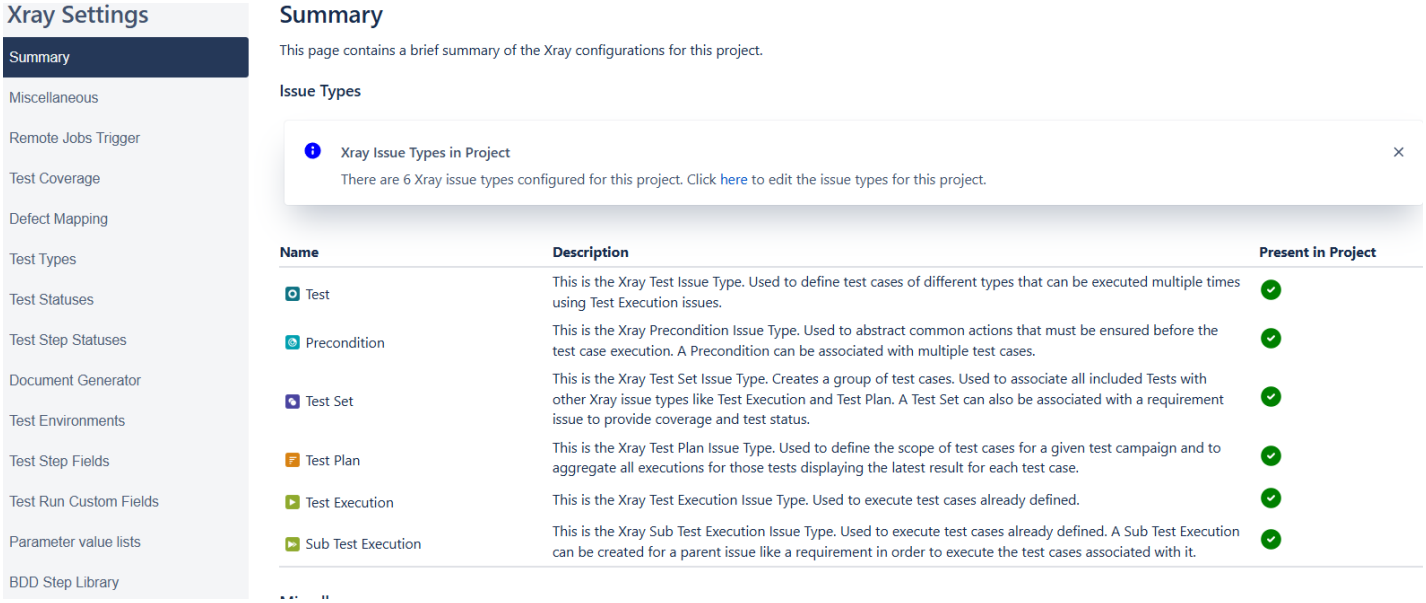
Xray allows you to create and manage test cases in Jira.
It helps you plan testing for a sprint or release.
It lets you execute tests and record results like pass or fail.
It gives clear testing reports and traceability.



Configure xray in jira:

Install Xray
Enable issue types
Configure screens
Create Tests
Execute Tests
Track reports

Once configured, Xray becomes a **complete testing solution inside Jira**.



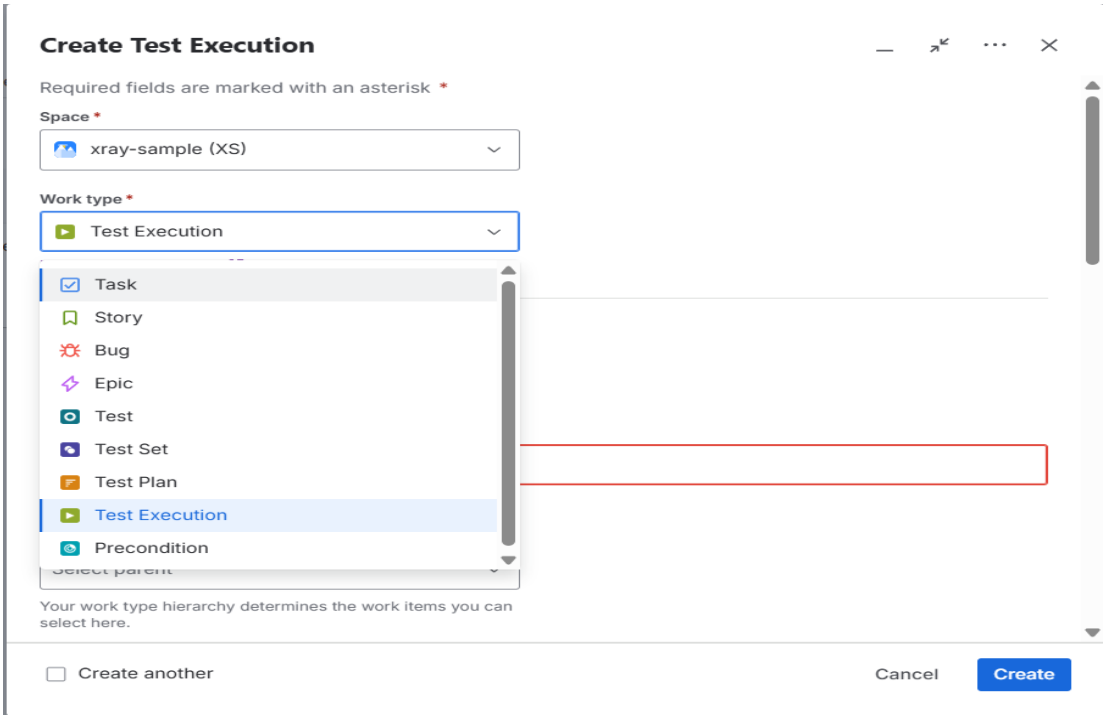
The main issue types of Xray are:

Test
Used to create a test case. It contains test steps, test data, and expected results.

Test Execution
Used to run test cases. It stores the execution result like pass, fail, or blocked.

Test Plan
Used to group and manage test cases for a release or milestone.

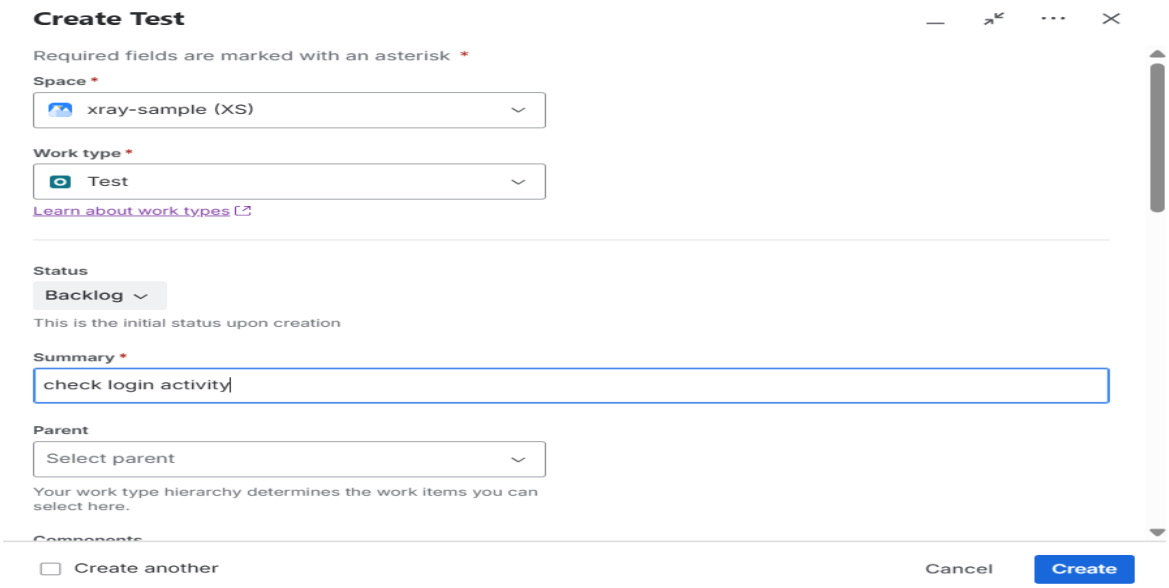
Precondition
Used to define conditions that must be true before running a test, such as “user must be logged in”.



Creation test case in xray :

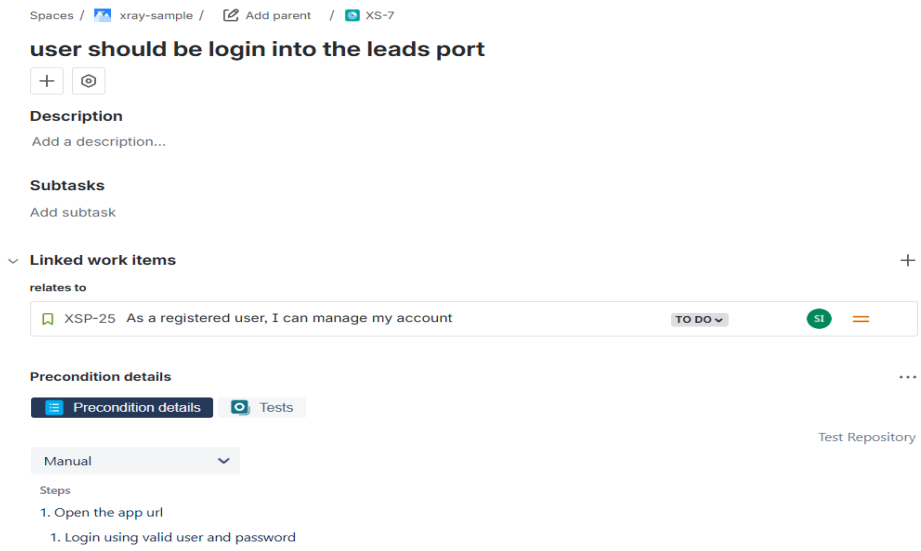
Create Test issue
Add test steps
Add expected results
Link to story
(Optional) Add precondition

That’s how a test case is created using Xray in Jira.



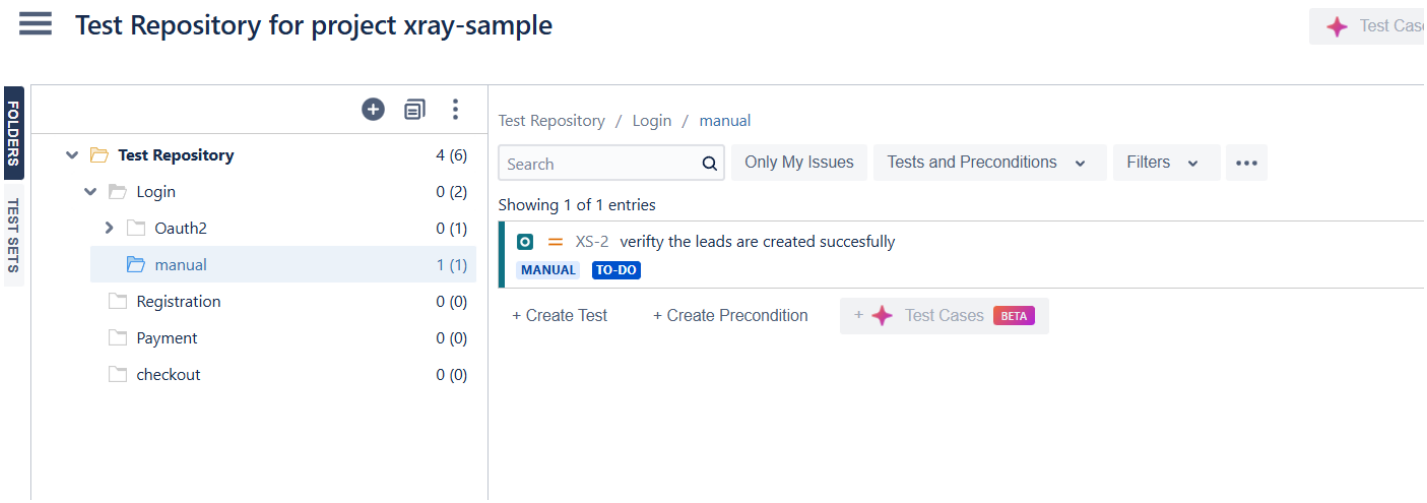
Precondition in xray

A Precondition is like defining step 0 for your Tests. This is very useful in many use cases where you have to start by doing the same thing.



Test Repository in xray

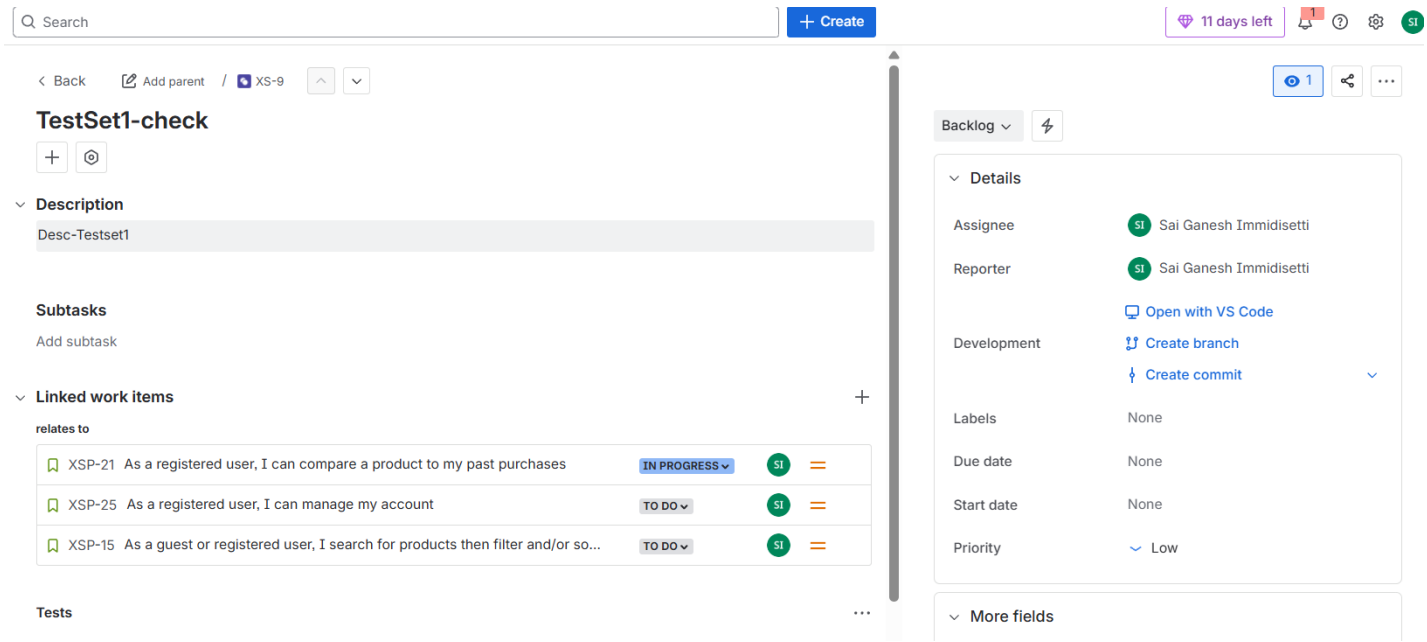
Go to your Jira project
Click Xray → Test Repository
Create folders
Drag and drop Test issues into folders



Test Repository only organizes Test issues.
It does not execute tests — execution happens in Test Execution.

Test Sets in xray :

A Test Set is an issue type in Xray that holds multiple Test cases.
It helps you quickly select and reuse the same group of tests again and again.

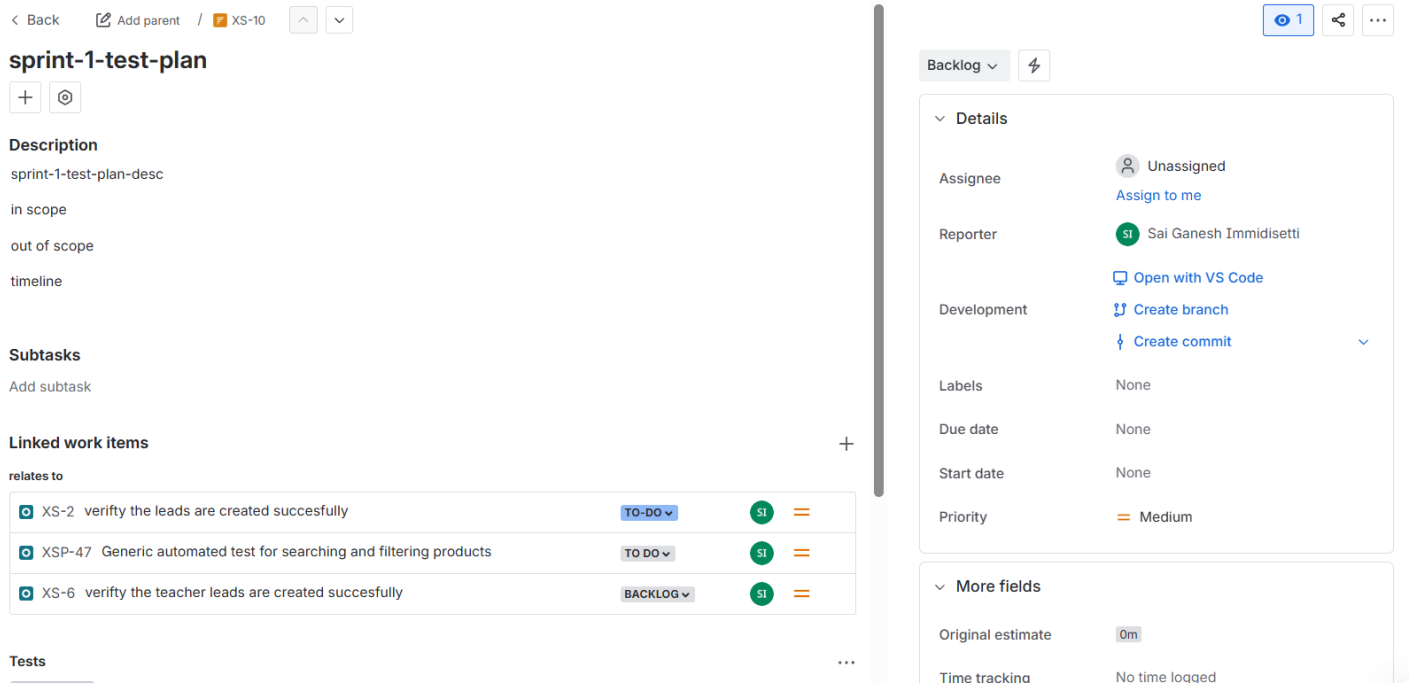


Test Set in Xray = reusable group of test cases.

Test Plan in xray :

A Test Plan is an Xray issue type that groups test cases planned for a version or sprint.
It helps track which tests are in scope and their execution status.

Test Plan in Xray helps teams **organize, track, and control testing for a release** inside Jira.

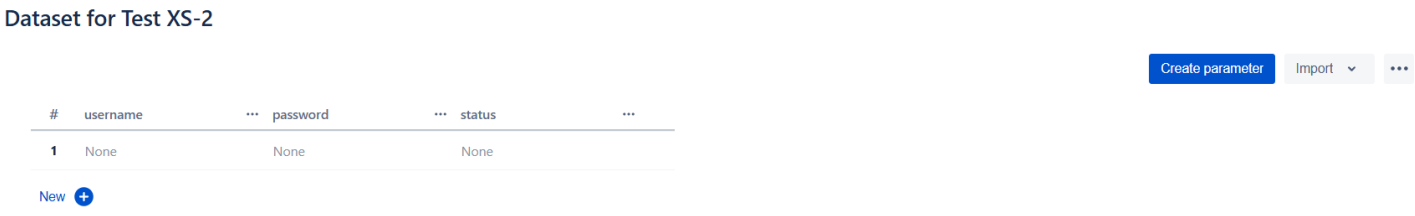


Parameters in xray :

Test parameters allow you to define variables in a test, such as username, password, browser, or country.
During execution, you provide different values for these parameters.

Enter username = ${username}
Enter password = ${password}

Execution values:
admin / admin123
user / user123



There are a total of 2 iterations to execute.

#	username	password	status
1	admin123	admin	vaid
2	user123	adm	notvalid

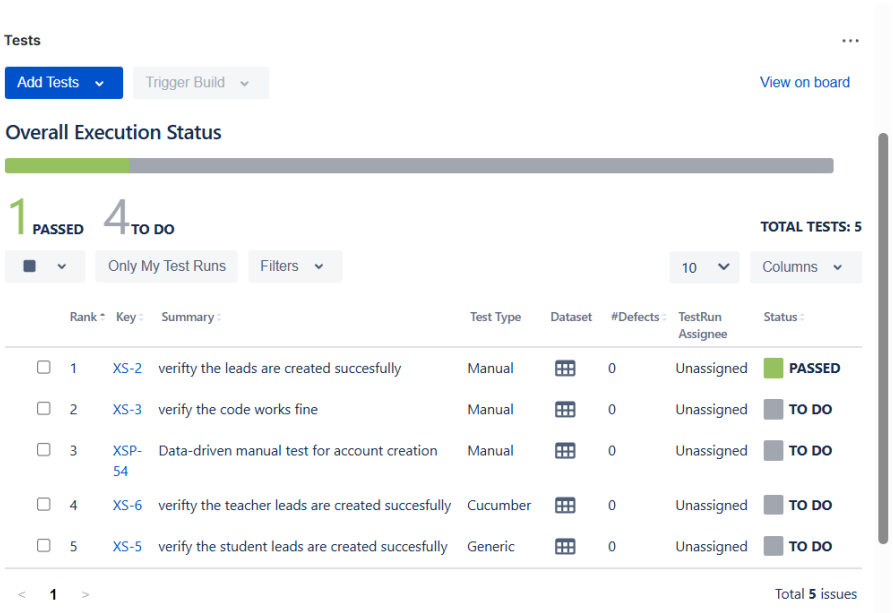
New

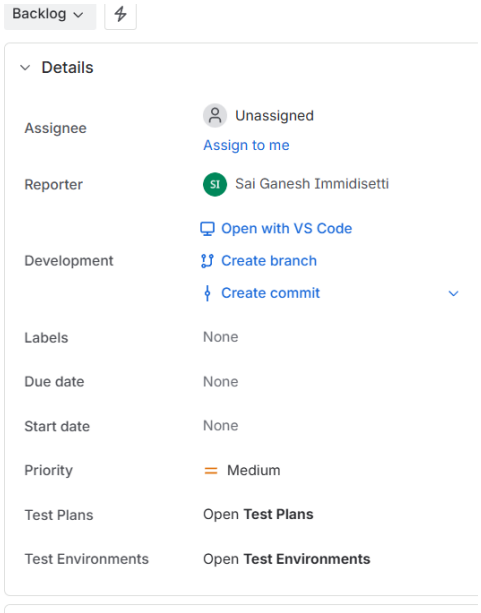
Test Execution in xray :

A Test Execution is an Xray issue type that contains the tests you want to run.
It stores execution results like pass, fail, or blocked.

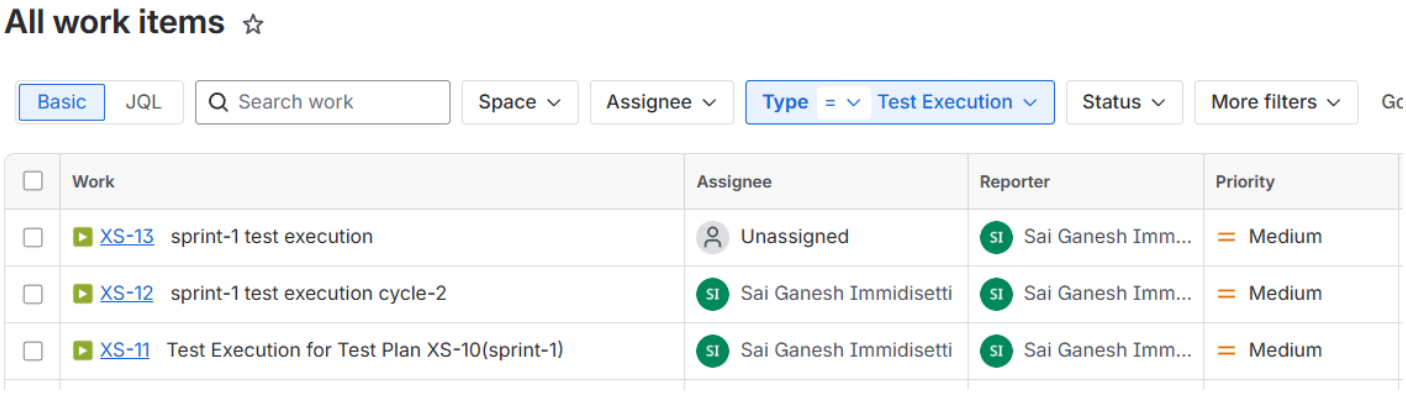
Test Execution in Xray is used to **run test cases and record their results**.

In simple words, Test Execution is where **actual testing happens**.





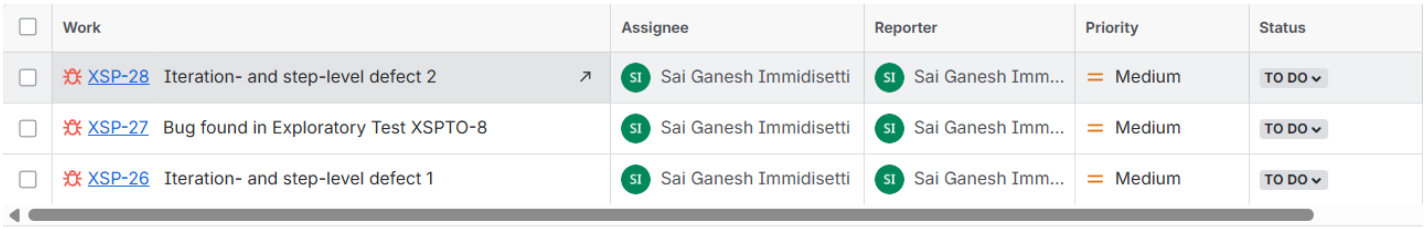
Create a Test Execution issue
Add Test cases to it
Run each test step by step
Mark the result
Save evidence and comments if needed



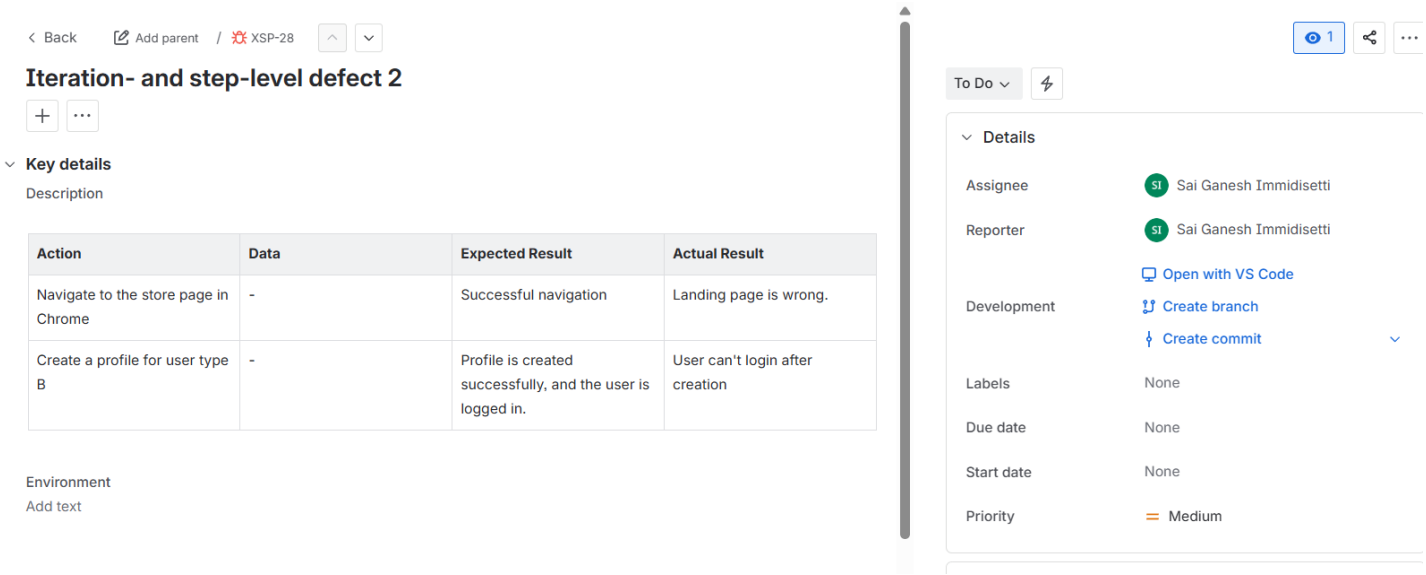
Defect Mapping in xray :

it shows **which test caused which bug**, giving full traceability from testing to defects.

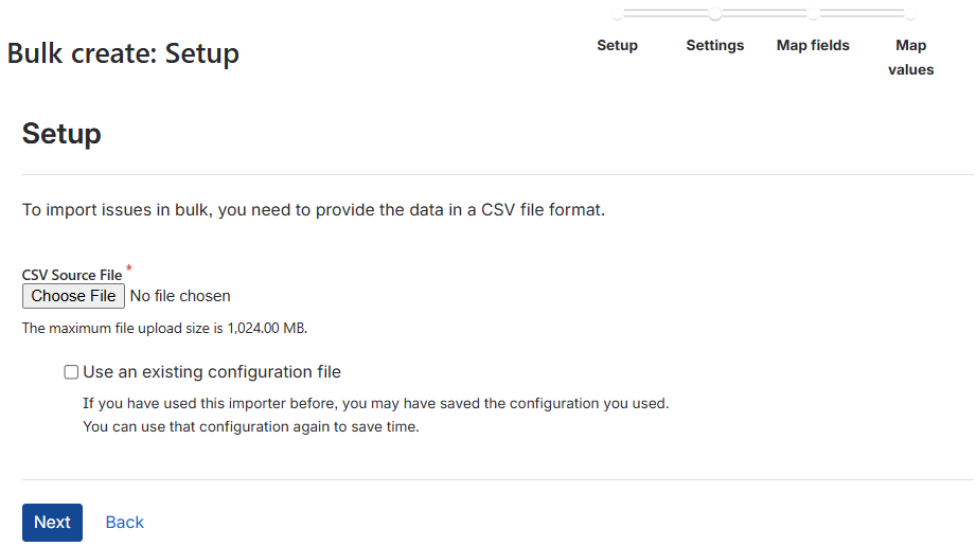
Defect mapping in Xray connects **failed tests to bugs**, helping teams track and fix issues efficiently while keeping full visibility inside Jira.



Work	Assignee	Reporter	Priority	Status
XSP-28 Iteration- and step-level defect 2	Sai Ganesh Immidisetti	Sai Ganesh Imm...	Medium	TO DO
XSP-27 Bug found in Exploratory Test XSPTO-8	Sai Ganesh Immidisetti	Sai Ganesh Imm...	Medium	TO DO
XSP-26 Iteration- and step-level defect 1	Sai Ganesh Immidisetti	Sai Ganesh Imm...	Medium	TO DO



Import workitem from csv :Test parameters in Xray help you **run one test multiple times with different data**, improving efficiency and test coverage.



Step 1: Prepare the CSV File

Your CSV should have columns like:

- **Summary** → Test case title
- **Description** → Test case details
- **Issue Type** → Test (or Test Execution if creating executions)
- **Project Key** → Jira project
- **Test Steps** → Steps can be separate columns or formatted properly

Step 2: Go to Jira → Xray Import

1. In Jira, click **Xray** in the top menu
2. Choose **Import Test Cases** or **Test Execution Import**
3. Select **CSV Import**

Step 3: Upload CSV

1. Upload your CSV file
2. Map CSV columns to Jira fields:

- Summary → Summary
- Description → Description
- Test Steps → Test Steps
- Expected Results → Expected Results
- Issue Type → Issue Type
- Project → Project

3. Verify the mapping

Step 4: Configure Test Steps (if needed)

If your CSV contains multiple steps, you may need to **configure step separator** (like ; or |) so Xray reads each step separately.

Step 5: Import & Verify

1. Click **Import**
2. Jira will create Test issues based on CSV
3. Check the imported Test issues to ensure Test Steps and Expected Results are correct