

JIRA NOTES:

WHAT IS JIRA?

ANS:

Developed by: atlassian

Released in: 2002

Written in: java

Website: <https://www.atlassian.com>

Description: It is a Project Management Tool, Test Management tool, Bug Tracking tool.

It is used for entire project management i.e, planning, tracking, reporting.

In JIRA Owner create project (SCRUM/KANBAN/BUG TRACKING TOOL), plan the project and invite users to perform different tasks of the project.

In Jira everything is seen as an Issue.

There are basically 4 types of issue:

1. Epic: Collections of stories

Example: user registration and browsing-epic1

User profile and settings-epic 2

2. Story: user story/requirement

Example: login-s1

Sign up –s2

Home-s3

3. Task: The user story will have many tasks for developers, testers respectively

Example:

System study of Story 1-task1

Develop story 1-task2

Tests story 1-task3

4. Bug: Defect

Note:

owner will create :

- Sprint
- Then epic (high level requirement / collection of stories)
- Then story (user story/requirement, an epic will have multiple stories)
- Then task and assign it to engineers (a piece of work assigned to engineer related to a story, an engineer will be assigned with multiple task.

Testers will create:

- Defects/bug
- Test cases

*Once any issue is created an unique key/ticket number will be generated for that particular issue.

Zephyr – extra pluggin (add on app) should be installed within Jira if we want to do the test management) i.e: writing test cases, executing test cases, generating test execution report.

As soon as owner pluggin zephyr we get another issue type in JIRA which is 'test', to write test cases.

1. Using JIRA as a test engineer we will do system study by reading the user stories which will tell us the details about the requirement for the modules.
2. Using JIRA we will be able to clarify our doubts about any particular module or component by leaving a comment in the comment section under the user story.

All the other requirements like MIRO BOARD, ZEPLIN can be linked in JIRA , we can directly give the link of these requirements and engineers can refer all the requirements and do the system study.

3. Using JIRA engineers can write test cases (after zephyr has been added)

Steps:

- Click on the '+' symbol and create issue window will popup
- Select the project>select the issue type as 'test' and fill necessary details
- Summary: here we have to write the scenario description
Example: validate user is able to login using valid credentials
- Description: Write the test data, action steps (in bullet points), expected result.
- Assignee: assign to yourself (because we will execute the test cases).
- Epic link: select which epic this belongs to
- Sprint: select the sprint in which the test case belongs
- Then click on create button
- As soon as test case is created an unique ticket number is generated.

Or

- Click on zephyr in the left navigation bar
- Click on create test
- Same window as above will appear
- Follow same above steps

*After writing all the test cases we create test cycles by click on

- Zephyr in the left navigational bar
- Click on cycle summary
- Click on create test cycle (name it and give the start and end date and add the test case you want to put in that test cycle, and specify for which release and build(optional) it is)

Example: test cycle name: smoke test cases

After separating all the test cases in to different test cycles like (smoke or regression or system or acceptance etc)

*After this We move on to test execution

In test execution we will:

- Open the particular test cycle(which we want to execute)
- All the test cases will be listed
- Now we open each test case and we click on the execute button (E).
- After executing we can update either pass or fail
- We can clone a test cycle and rename it
- We can delete a test case
- We can see the execution report after executing all the test cases by clicking on zephyr>test metrics and test summary to see total executed total pass total fail.

4. Using jira we can log defects as a tester

- By clicking on + button
- Select the project
- Select the issue type as 'bug'
- Write the defect summary in the summary text field
- Write the steps to reproduce in the detailed description text area
- Mention the assignee(developer)
- Mention the priority
- Mention the epic link
- Mention the sprint link
- Attach the screenshot and the screen recording in the attachment section
- Click on create button

We can edit the created defect.

We can change the status of the created defect.

Jira contains four packages:

- **Jira Core** is intended as generic project management
- **Jira Software** includes the base software, including agile project management features (previously a separate product: Jira Agile)
- **Jira Service Desk** is intended for use by IT or business service desks.
- **Jira Ops** is intended as incident management