

What is JIRA?

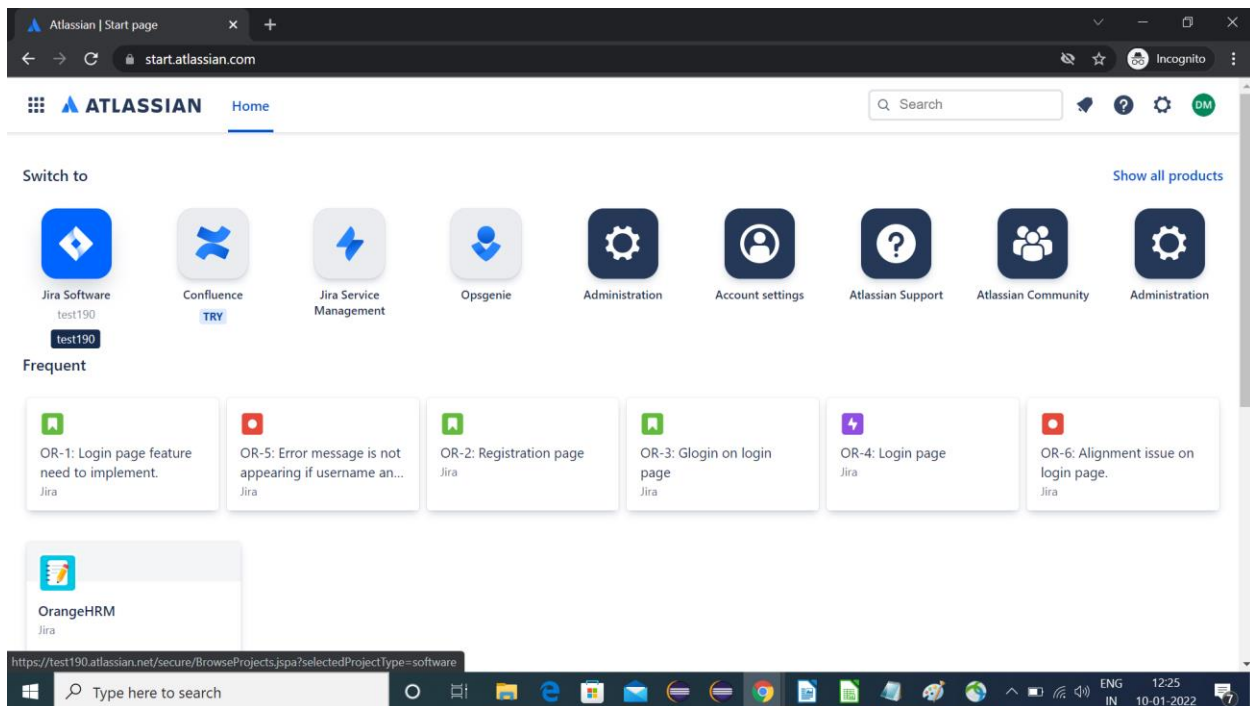
JIRA is a tool developed by Australian Company Atlassian. It is used for -
bug tracking,
and **project management.**

The name "JIRA" is actually inherited from the Japanese word "Gojira" which means "Godzilla".

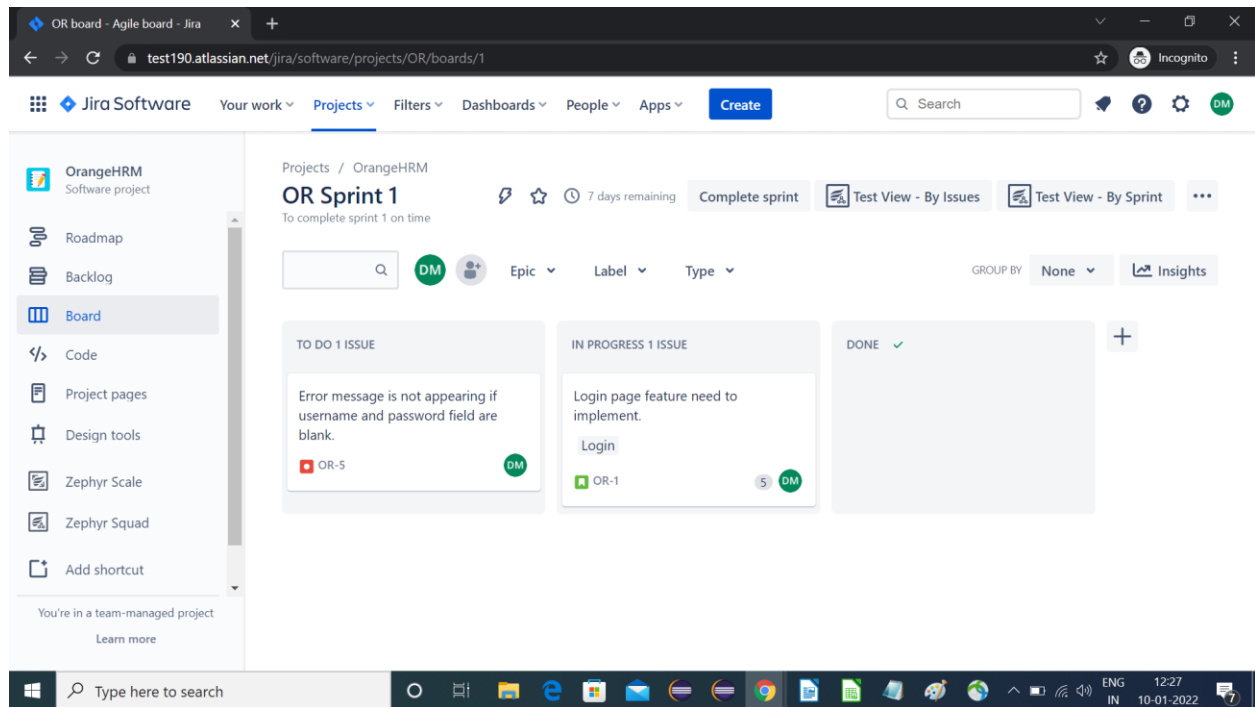
The basic use of this tool is to track issue and bugs related to your software and Mobile apps.

It is also used for project management.

After login with credentials ,we will get below page and then select project example OrangeHRM-



After selection we will get one board that is scrum board which looks like-



JIRA Issues and Issue types

Once you have installed jira and created project then you can create issues.

Under Issues, you will find other useful features like

- Issue Types
- Workflow's
- Fields

Issue Types

Issue Type displays all types of items that can be created and tracked via

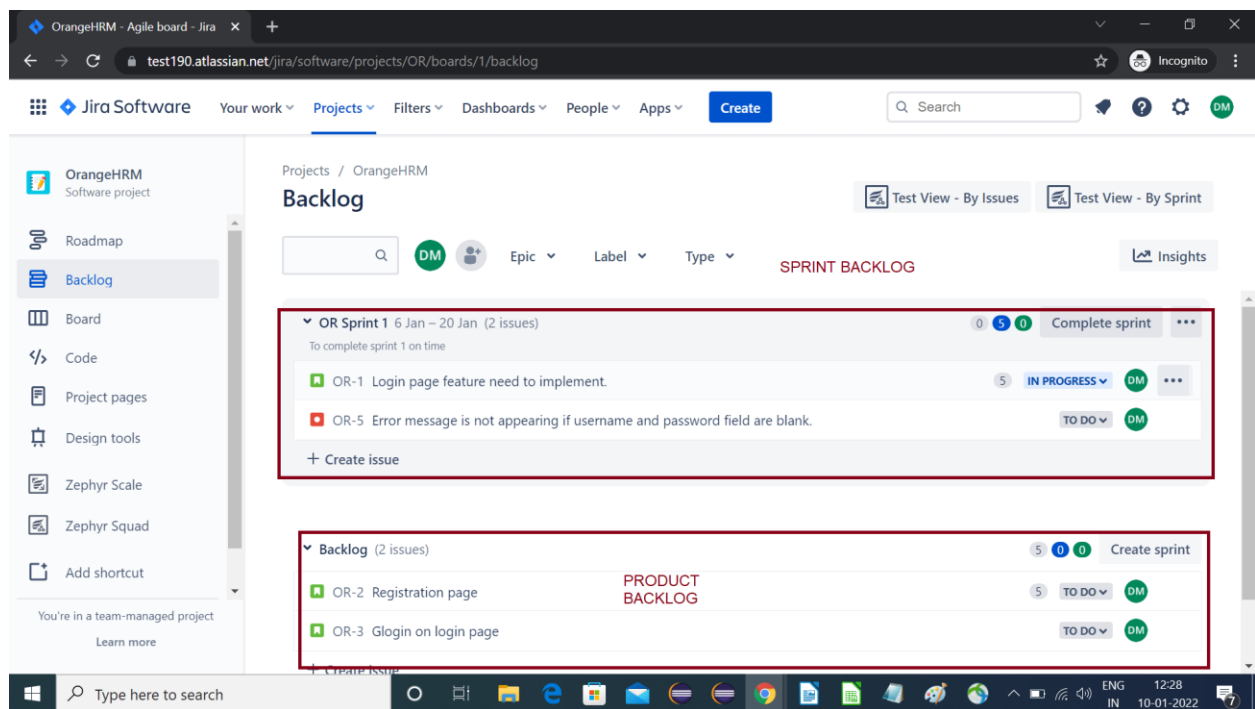
Backlog:

Click backlog from the left section and then get to know the detailed structure of the stories,task,bugs,new feature etc.

Backlog divided into 2 parts-

1.Product Backlog

2.Sprint Backlog



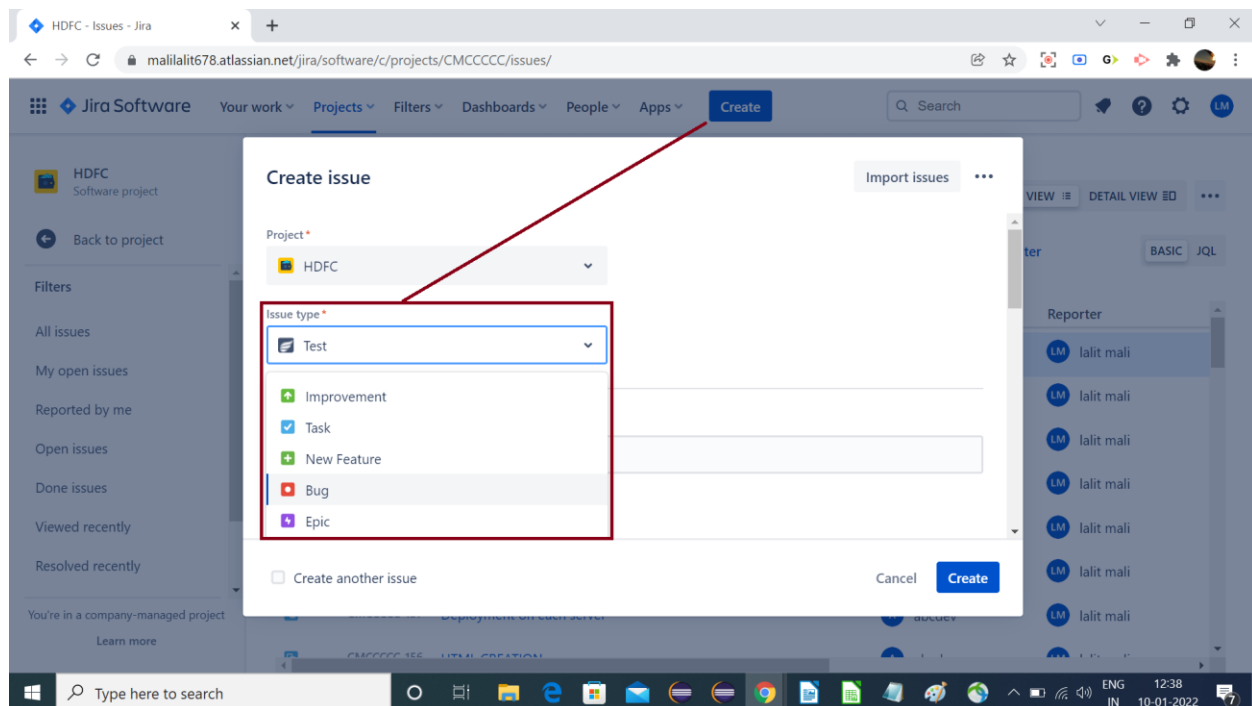
Issue Type':

Once any logged In person click on Create button then they can create any issue type.

We have many issue type like mentioned below-

- 1.New Feature-----Created by BA/PO
- 2.Task-----Created by Team
- 3.Improvement-----Created by BA/PO
- 4.Epic-----Created by BA/PO
- 5.Bugs-----Created by Tester
- 6.Test -----Created by Tester

It looks like -



Once the user story has been created and they pulled in sprint backlog then scrum team start working as per agile methodology.

Developer start developing the code and tester start writing down the test cases.

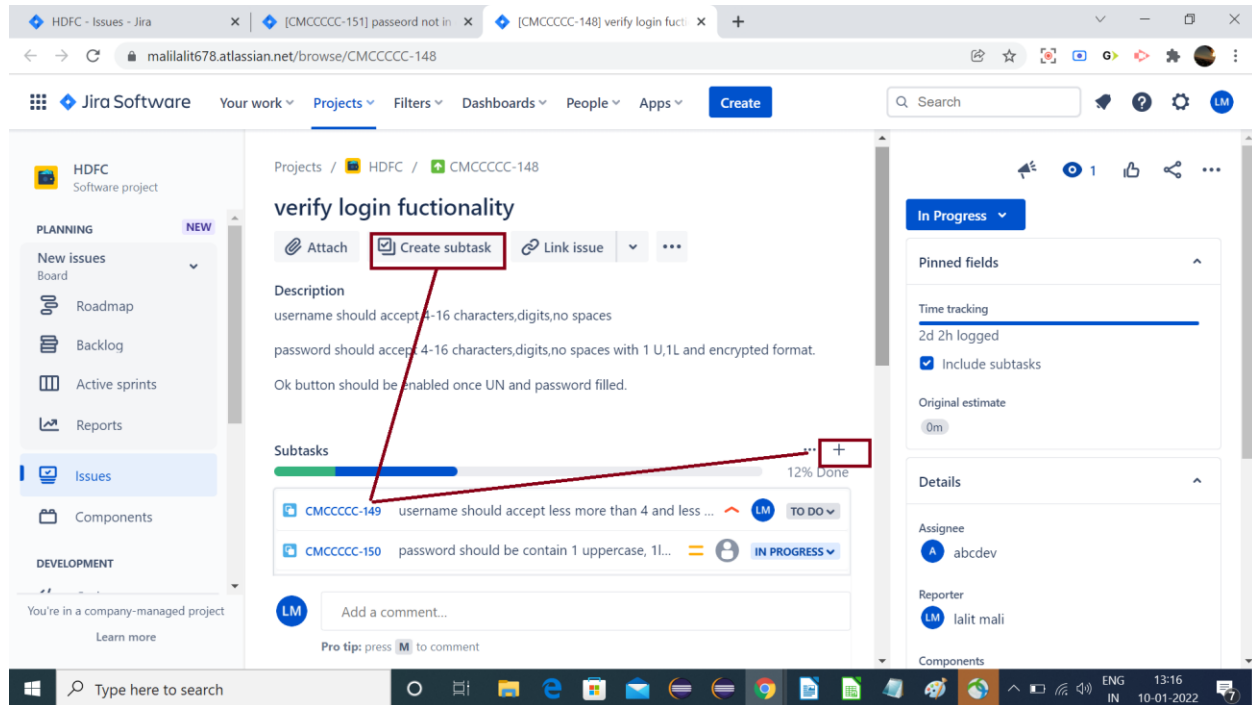
For this activity team can also create sub task, which related with developer and tester.

Subtask issues are useful for splitting up a parent requirement into a number of smaller tasks that can be assigned and tracked separately. within the same story.

Subtask for tester for any requirement is as below-

1. Write Test Case
2. Execute Test Case
3. Log Bug and Retest
4. Review Test Case

Sub task looks like-



Some important points to remember while creating Sub-Task

- You can have as many sub-task as needed under an Issue
- You cannot have a sub-task for a sub-task
- Once a sub-task is created under a parent, parent cannot be converted into a sub-task
- A sub-task can however be converted into a parent issue
- You can work on your sub-task without having navigating away from the parent issue

JIRA Components/Label

Components are sub-sections of a project; they are used to group issues within a project into smaller parts.

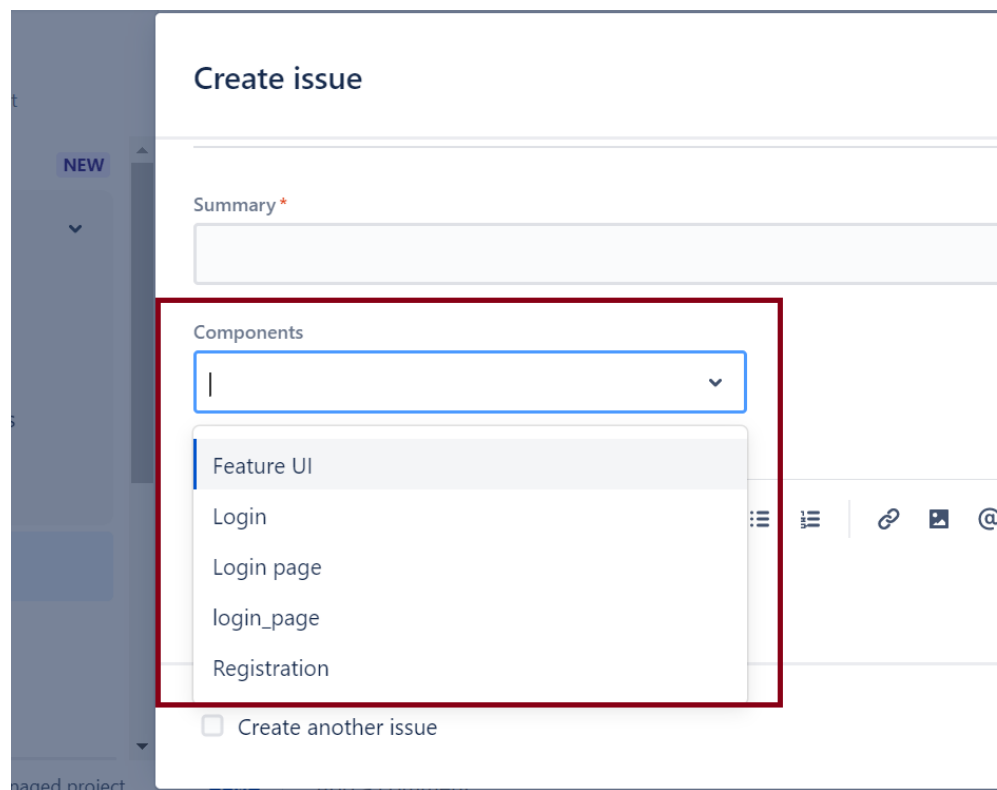
Components add some structures to the projects, breaking it up into features, teams, modules, subprojects and more.

Using components you can generate reports, collect statistics, so on.

To add new components, as shown in the above screen you can add **name**, **description**, **component lead** and **default assignee**.

Its normally as feature or module name.

Label is same as Components

A screenshot of a web application's 'Create issue' form. The form has a 'Summary' field at the top. Below it is a 'Components' dropdown menu, which is highlighted with a red border. The dropdown menu is open, showing a list of options: 'Feature UI', 'Login', 'Login page', 'login_page', and 'Registration'. The 'Feature UI' option is selected and highlighted. To the right of the dropdown menu, there are icons for linking, adding a comment, and adding a user. At the bottom of the form, there is a checkbox labeled 'Create another issue'.

Issue Attributes

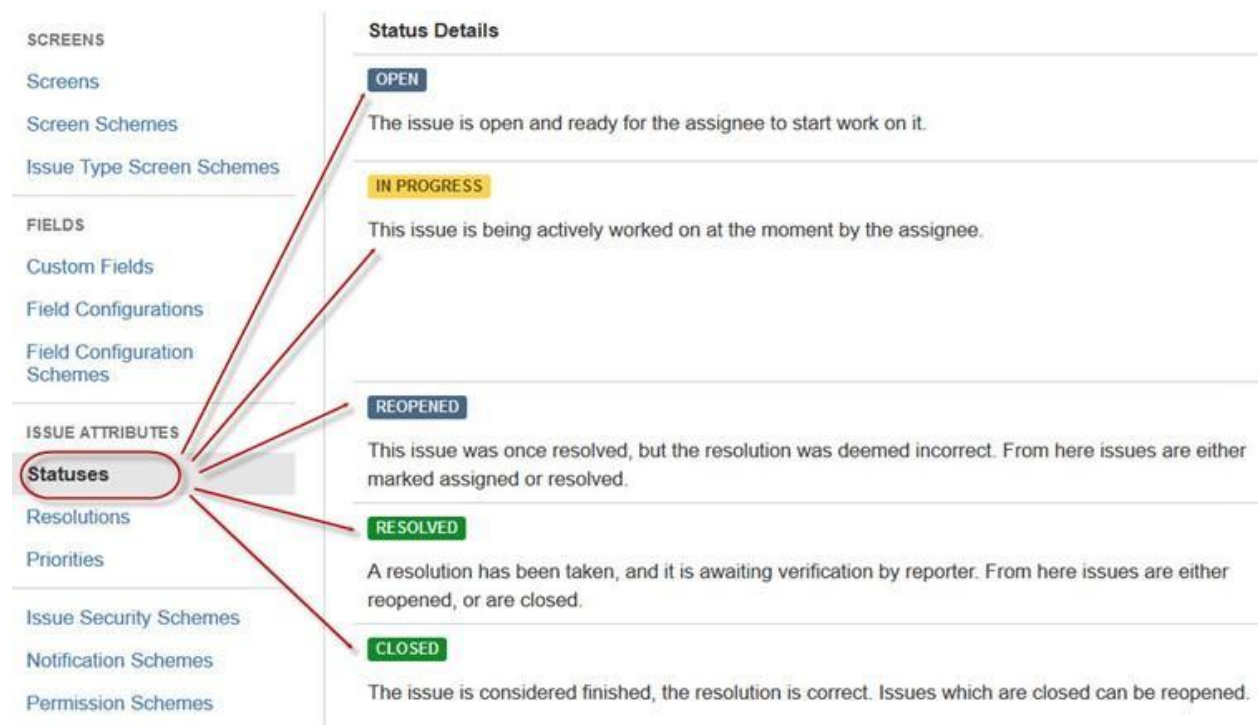
Issue Attributes encompasses

- Status
- Resolutions
- Priorities

Statuses: Different statuses are used to indicate the progress of a project like **To do, InProgress, Open, Closed, ReOpened, and Resolved.**

Likewise, you have resolutions and priorities, in resolution it again tells about the progress of issue like **Fixed, Won't fix, Duplicate, Incomplete, Cannot reproduce, Done** also you can set the priorities of the issue whether an issue is **critical, major, minor, blocker.**

Again it depends with project to project as how many status your project configured.



How to create an issue in JIRA

Create Issue

Project* SAP Testing

Issue Type* New Feature

Summary* Error during integration testing

Priority Major

Due Date 16/Jun/14

Component/s None

Affects Version/s None

Fix Version/s None

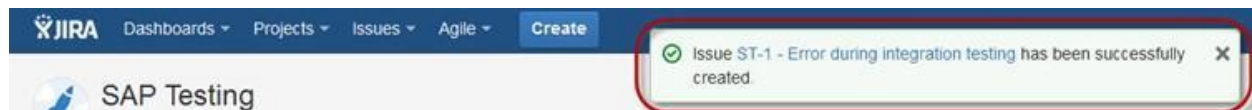
Assignee Automatic

Reporter* Krishna Rungta [Administrator]

Environment

Create another Create Cancel

Once the issue is created a pop-up will appear on your screen saying your issue is created successfully as shown in the screen shot below



Once requirement created and under that sub task, test case, bug created then it looks like below-

HDFC - Issues - Jira x [CMCCCC-151] passeord not in x [CMCCCC-148] verify login functi x +

malilalit678.atlassian.net/browse/CMCCCC-148

Jira Software Your work Projects Filters Dashboards People Apps Create

HDFC Software project

PLANNING NEW

New issues Board

Roadmap

Backlog

Active sprints

Reports

Issues

Components

DEVELOPMENT

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verify login functionality

Attach Create subtask Link issue

Description

username should accept 4-16 characters,digits,no spaces

password should accept 4-16 characters,digits,no spaces with 1 U,1L and encrypted format.

Ok button should be enabled once UN and password filled.

Subtasks 12% Done

- CMCCCC-149 username should accept less more than 4 and less ... LM TO DO
- CMCCCC-150 password should be contain 1 uppercase, 1L... IN PROGRESS

Add a comment...

Pro tip: press M to comment

In Progress

Pinned fields

Time tracking

2d 2h logged

☒ Include subtasks

Original estimate

0m

Details

Assignee

abcdev

Reporter

lalit mali

Components

Type here to search

ENG IN 14:45 10-01-2022

HDFC - Issues - Jira x [CMCCCC-151] passeord not in x [CMCCCC-148] verify login functi x +

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Ok button should be enabled once UN and password filled.

Subtasks 12% Done

- CMCCCC-149 username should accept less more than 4 and less ... LM TO DO
- CMCCCC-150 password should be contain 1 uppercase, 1L... IN PROGRESS
- CMCCCC-156 HTML CREATION A IN PROGRESS
- CMCCCC-157 Deployment on each server A TO DO
- CMCCCC-158 Test case creation X DONE
- CMCCCC-159 Test case Execution X TO DO
- CMCCCC-160 Test case review M TO DO
- CMCCCC-161 Bug log and Retest X TO DO

Add a comment...

Pro tip: press M to comment

In Progress

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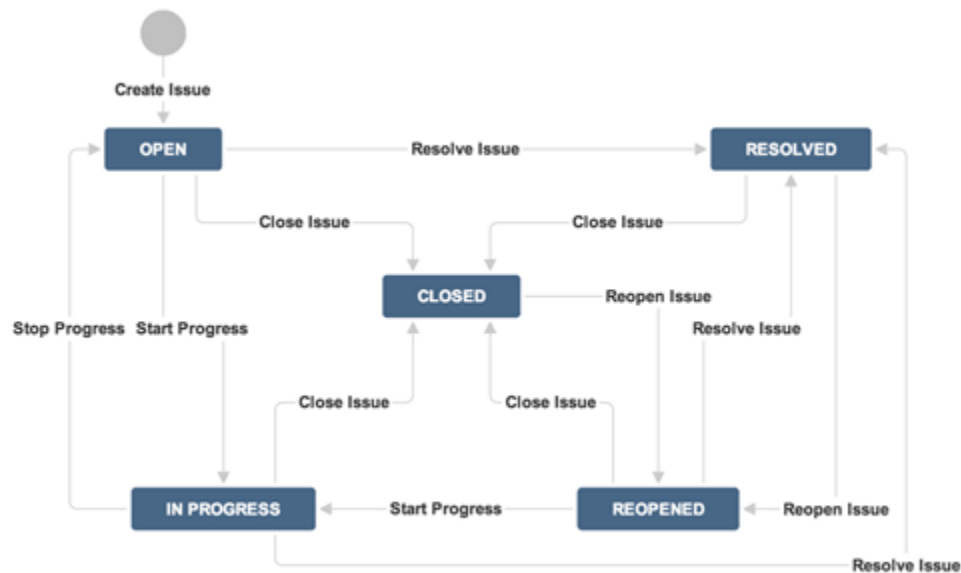
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WorkFlows

JIRA workflow encompasses five main stages once the issue is created.

- Open Issue
- Resolved Issue
- InProgress Issue
- ReOpened Issue
- Close Issue

This structure again depends on project as how project wanted to make the workflow.



Plug-ins in JIRA

There are plug-ins available for JIRA to work more effectively, some of these plugins are Zendesk, Salesforce, GitHub, Gitbucket and so on. Some of them

enables support team to report issues directly into JIRA, creates unlimited private repositories with full featured issue and test management support, etc

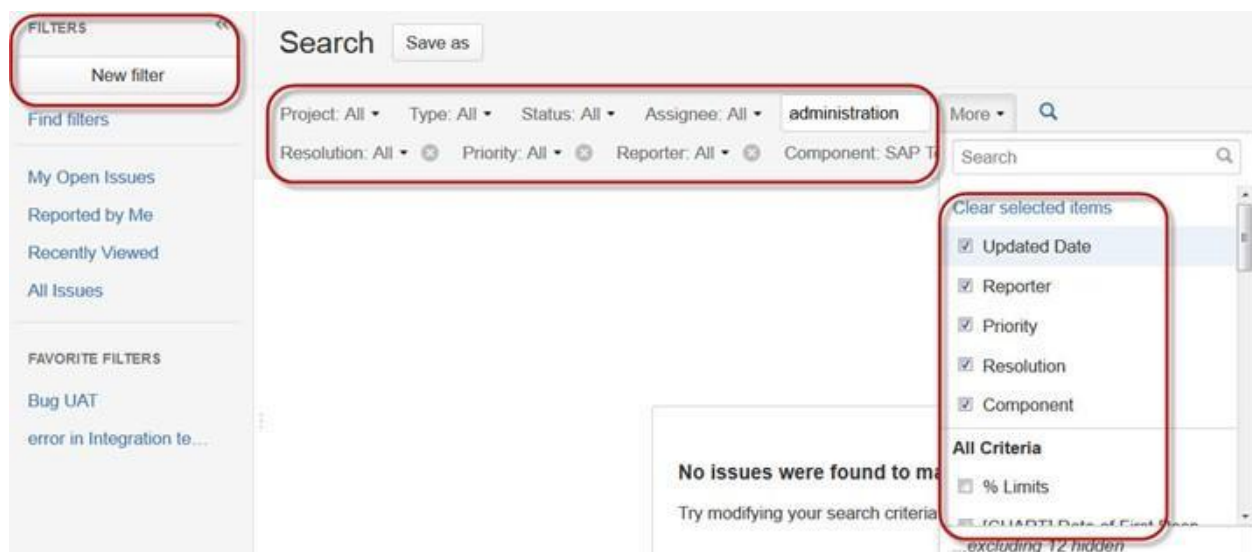
For writing down test cases in JIRA we need zephyr plugin else we cannot write test case. This is chargeable basis so some compaies allow to write test cases on JIRA else in an excel sheet.

Filters

You can also set filters other than default filters to filter the issues. The filters that you can use are date, component, priority, resolution and so on.

This is mostly used for reporting purpose by your senior like if they want any User story, bugs, improvement to check the progress as how long they are not being updated and status to check.

After using filters, this can be exported in any file like excel, xml etc



Log time on an issue

Jira Software provides the flexibility to set your estimation and tracking statistics differently, depending on your team's needs.

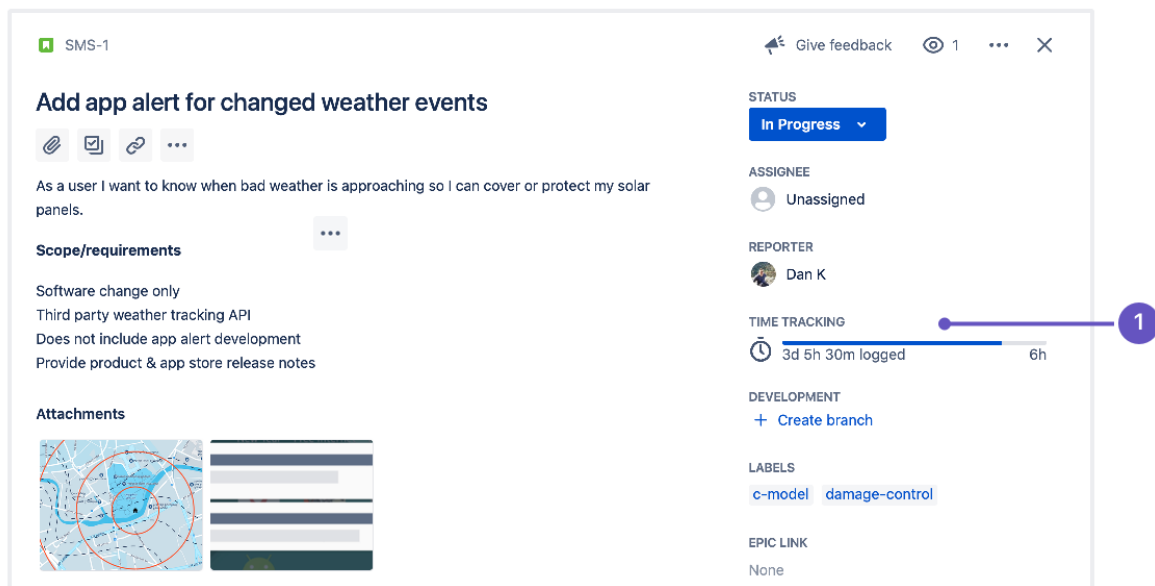
Time tracking features project schedule planning and time expectations management.

Product teams often need to be able to estimate how long a product will take to deliver from sprint to sprint.

As team work through the stories and the team of completes <x> units of work which was estimated. This is also called velocity.

We can log time from sub task and see the final time in our main story.

How it looks its we can see from below -



The screenshot displays a Jira story interface for 'SMS-1' with the title 'Add app alert for changed weather events'. The story is in 'In Progress' status, assigned to 'Unassigned', and reported by 'Dan K'. The 'TIME TRACKING' section shows a progress bar for '3d 5h 30m logged' out of a total of '6h', with a blue circle and the number '1' highlighting this section. The 'SCOPE/REQUIREMENTS' section lists: 'Software change only', 'Third party weather tracking API', 'Does not include app alert development', and 'Provide product & app store release notes'. The 'Attachments' section shows a weather map and a document thumbnail. The right sidebar includes 'Give feedback', '1' viewer, 'STATUS' (In Progress), 'ASSIGNEE' (Unassigned), 'REPORTER' (Dan K), 'DEVELOPMENT' (+ Create branch), 'LABELS' (c-model, damage-control), and 'EPIC LINK' (None).

How to log hours:

Time tracking

 3d 5h 30m logged 6h remaining

Log time

2h

Time remaining

6h

Date started *

2019/02/06

8:42am



Work description

Aa ▾

B

I

...



:≡ ▾

+ ▾

Load testing

Save

Cancel

Procedure

JIRA does ship with a time tracking feature. If you log work and/or specify original estimate value for an issue, three colored bars will be displayed representing the following amounts of time:

- Original Estimate (blue) — The time originally expected to resolve the issue.
- Remaining Estimate (orange) — The remaining amount of time currently expected to resolve the issue.
- Time Spent (green) — The time logged working on the issue so far.

