

EXPERIMENT 6

Name: Krish Chatwani

Batch: T11

Roll No: 16

AIM: To study agile methodology and test case management using the JIRA tool.

To create a scrum board for scrum master using the JIRA tool. **THEORY:**

Jira is a software development tool that helps teams plan, track, and release software projects. It's a popular tool among software development teams.

JIRA is a widely used issue tracking and project management software developed by Atlassian. The theory behind JIRA revolves around several key principles and concepts:

Issue Tracking:

At its core, JIRA is designed to help teams track tasks, bugs, features, and other issues within a project. It provides a centralized platform for capturing, organizing, and prioritizing these items.

Agile Methodologies:

JIRA supports agile methodologies such as Scrum and Kanban, enabling teams to plan, track, and deliver work in iterative cycles. Agile principles emphasize collaboration, adaptability, and delivering value to customers. **Workflow**

Management:

JIRA allows teams to define custom workflows that represent the lifecycle of an issue from creation to completion. Workflows can include various statuses, transitions, and conditions to reflect the

specific processes followed by the team.

Customization:

One of the key strengths of JIRA is its flexibility and customization options. Teams can tailor JIRA to their specific needs by creating custom issue types, fields, workflows, and project configurations.

Collaboration and Communication: JIRA facilitates collaboration among team members by providing features such as commenting, mentioning, and attaching files to issues. It also integrates with other Atlassian products like Confluence and Bitbucket for seamless communication and knowledge sharing. Reporting and

Analytics: JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

OUTPUT:

The image displays two screenshots of the Jira web interface, showing the 'Backlog' and 'SEP Sprint 1' views for a project named 'SEPM'.

Top Screenshot: Backlog View

- Navigation Bar:** Jira logo, 'Your work', 'Projects', 'Filters', 'Dashboards', 'Teams', 'Plans', 'Apps', and a 'Create' button.
- Left Sidebar:** 'SEPM Software project' section with 'PLANNING' (Summary, Timeline, Backlog, Board, Forms) and 'DEVELOPMENT' (Code, Project pages, Add shortcut, Project settings, Archived issues) options.
- Main Content Area:**
 - Projects / SEPM Backlog:** Search bar, user avatars, and an 'Epic' dropdown.
 - SEP Sprint 1 (13 Feb - 27 Feb):** A card showing 'SEP-1 backend development' with a 'DONE' status and a 'Create issue' button.
 - Backlog (0 issues):** A card showing 'Your backlog is empty' and a 'Create issue' button.

Bottom Screenshot: SEP Sprint 1 View

- Navigation Bar:** Same as the top screenshot.
- Left Sidebar:** Same as the top screenshot.
- Main Content Area:**
 - Projects / SEPM SEP Sprint 1:** Search bar, user avatars, and a '9 days' timer.
 - Columns:** 'TO DO', 'IN PROGRESS', and 'DONE 1'. The 'DONE 1' column contains a card for 'backend development' with 'SEP-1' and a 'Create issue' button.

SEP Sprint 1 - SEP board - Sep-1

anishchughria49@atlassian.net/jira/software/projects/SEP/boards/2?selectedIssue=SEP-1

SEP-1

backend development

+ Add @ Apps

Description

Add a description...

Child issues

Order by ... + Suggest subtasks 66% Done

- SEP-2 establish mvc model DONE
- SEP-3 mvc view TO DO
- SEP-4 mvc controller DONE

Activity

Show: All Comments History Work log Summarize Newest first 17

AC Add a comment...

Pro tip: press M to comment

AC Ansh Chughria in 1 second

Meet this Friday, Basic implementation of connectivity with the database has to be sorted

Edit Delete

To Do Actions Improve issue

Details

Assignee Ansh Chughria

Labels None

Parent None

Team None

Sprint SEP Sprint 1

Story point estimate None

Development Create branch Create commit

Reporter Vinay Dawani

Automation Rule executions

Created 11 minutes ago Updated 9 minutes ago Configure

SEP Sprint 1 - SEP board - Sep-1

anishchughria49@atlassian.net/jira/software/projects/SEP/boards/2?selectedIssue=SEP-1

SEP-1

backend development

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Add a description...

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Order by ... + Suggest subtasks 66% Done

- SEP-2 establish mvc model DONE
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Edit Delete

To Do Actions Improve issue

Details

Assignee Ansh Chughria

Labels None

Parent None

Team None

Sprint SEP Sprint 1

Story point estimate None

Development Create branch Create commit

Reporter Vinay Dawani

Automation Rule executions

Created 11 minutes ago Updated 9 minutes ago Configure

SEP Sprint 1 - SEP board - Sep-2

anishchughria49@atlassian.net/jira/software/projects/SEP/boards/2?selectedIssue=SEP-2

SEP-1 / SEP-2

establish mvc model

+ Add @ Apps

Description
Add a description...

Activity
Show: All Comments History Work log

AC Add a comment...

Pro tip: press M to comment

Details

Assignee Ansh Chughria

Labels None

Parent SEP-1 backend development

Sprint SEP Sprint 1

Story point estimate None

Development Create branch Create commit

Reporter Vinay Dawani

Automation Rule executions

Created 8 minutes ago
Updated in 1 second
Resolved in 1 second

37°C Smoke

SEP Sprint 1

SEP Sprint 1

9 days

GROUP BY None

TO DO 1

backend development

SEP-1

IN PROGRESS

DONE ✓

Quickstart

37°C Smoke

SEPMT11 Software project

PLANNING

- Summary
- Timeline
- Backlog
- Board
- Forms
- + Add view

DEVELOPMENT

- Code
- Project pages
- Project settings
- Archived issues **NEW**

Projects / SEPMT11

SEPMT Sprint 2

Verify emails

14 days

Complete sprint

GROUP BY: None Insights View settings

TO DO

+ Create issue

IN PROGRESS

DONE 2

- Verify Login functionality
VERIFY FUNCTIONALITIES
SEPMT-3
- Verify inbox functionality
VERIFY FUNCTIONALITIES
SEPMT-5

Quickstart

SEPMT11 Software project

PLANNING

- Summary
- Timeline
- Backlog
- Board
- Forms
- + Add view

DEVELOPMENT

- Code
- Project pages
- Project settings
- Archived issues **NEW**

Projects / SEPMT11

Summary

10 completed in the last 7 days

17 updated in the last 7 days

0 due soon in the next 7 days

0 overdue in the last 7 days

Status overview

Get a snapshot of the status of your issues. [View all issues](#)

17 Total issues

- To Do: 7
- In Progress: 0
- Done: 10

Recent activity

Stay up to date with what's happening across the project.

Today

- Ansh Chughria changed the status to Done on SEPMT-14 - security check with a resolution of 'Done' less than a minute ago
- Ansh Chughria changed the status to In Progress on SEPMT-14 - security check less than a minute ago
- Ansh Chughria changed the status to Done on SEPMT-15 - module check with a resolution of 'Done' less than a minute ago

Priority breakdown

Get a holistic view of how work is being prioritized. [See what your team's been focusing on](#)

Types of work

Get a breakdown of issues by their types. [View all items](#)

Type	Distribution
Subtask	71%
Epic	14%
Task	14%
Bug	
Story	

Quickstart

SEPMT11 - Timeline - Jira

anashchughria49@SEPMT11 - Jira

anashchughria49@atlassian.net/jira/software/projects/SEPMT11/boards/1/timeline

SEPMT11 Software project

PLANNING

- Summary
- Timeline
- Backlog
- Board
- Forms
- + Add view

DEVELOPMENT

- Code
- Project pages
- Project settings
- Archived issues NEW

Projects / SEPMT11

Timeline

Q Search timeline

AC KC M VD

Status category Epic Type

Give feedback Share Export

View settings

Sprints

- SEPMT-2 Verify functionalities
- SEPMT-3 Verify Login functional... DONE
- SEPMT-5 Verify inbox function... DONE
- SEPMT-4 Verify compose function... DONE
- SEPMT-6 verify draft function... DONE
- SEPMT-7 verify sent mail funct... DONE
- SEPMT-13 verification of login with... DONE
- SEPMT-14 security check DONE
- SEPMT-15 module check DONE
- SEPMT-16 Add Responsive DONE
- SEPMT-17 check responsiveness... DONE

+ Create Epic

Today Weeks Months Quarters

Quickstart

SEPMT11 - Timeline - Jira

anashchughria49@SEPMT11 - Jira

anashchughria49@atlassian.net/jira/software/projects/SEPMT11/boards/1/timeline/selectedIssue=SEPMT-16

SEPMT11 Software project

PLANNING

- Summary
- Timeline
- Backlog
- Board
- Forms
- + Add view

DEVELOPMENT

- Code
- Project pages
- Project settings
- Archived issues NEW

Projects / SEPMT11

Timeline

Q Search timeline

AC KC M VD

Status category Epic Type

Give feedback Share Export

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Sprints

- SEPMT-2 Verify functionalities
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- SEPMT-7 verify sent mail funct... DONE
- SEPMT-13 verification of login with... DONE
- SEPMT-14 security check DONE
- SEPMT-15 module check DONE
- SEPMT-16 Add Responsive DONE
- SEPMT-17 check responsiveness... DONE

+ Create Epic

Today Weeks Months Quarters

SEPMT-16 Add Responsive

+ Add Apps

Done Done Actions Improve issue

Description

Add a description...

Child issues

Order by Suggest child issues

SEPMT-17 check responsiveness for all possible d... DONE

Confluence content

Project plan TRY TEMPLATE

Details

Assignee Ansh Chughria

Labels None

Parent None

Team None

The image displays two screenshots of the JIRA software interface, illustrating agile methodology and test case management.

Top Screenshot: JIRA Timeline View

- Project:** SEPM_T11
- View:** Timeline
- Sprints:** SEPM Sprint 1, SEPM Sprint 2
- Tasks:** A list of tasks is shown, including "SEPM-2 Verify functionalities", "SEPM-3 Verify Login functionality...", "SEPM-5 Verify inbox function...", "SEPM-4 Verify compose function...", "SEPM-6 verify draft function...", "SEPM-7 verify sent mail funct...", "SEPM-13 verification of login with...", "SEPM-14 security check", "SEPM-15 module check", "SEPM-16 Add Responsive", and "SEPM-17 check responsiveness...".
- Issue Details (Right Panel):** Shows details for "SEPM-16 Add Responsive", including the description "check responsiveness for all possible devices", assignee "Ansh Chughria", and parent issue "SEPM-16 Add Responsive".

Bottom Screenshot: JIRA Issue Detail View

- Project:** SEPM_T11
- Issue:** Verify Login functionality
- Description:** Add a description...
- Child issues:** A list of child issues is shown, including "SEPM-8 analyze story", "SEPM-9 prepare test case", "SEPM-10 execute test case", "SEPM-11 analyze result", and "SEPM-12 bug tracking".
- Confluence content:** Shows "Product requirements".
- Activity:** Shows a comment section with the text "Add a comment..." and a "Pro tip: press ⌘ to comment" message.

CONCLUSION: Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.