

Name: Manas Mulchandani

Batch: T13

Roll no: 64

Experiment 6

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:



Get started with Jira

Start for free. No credit card needed.

Work email

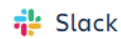
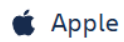
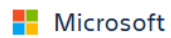
meetbrijwani@gmail.com



Using a work email helps find teammates and boost collaboration.

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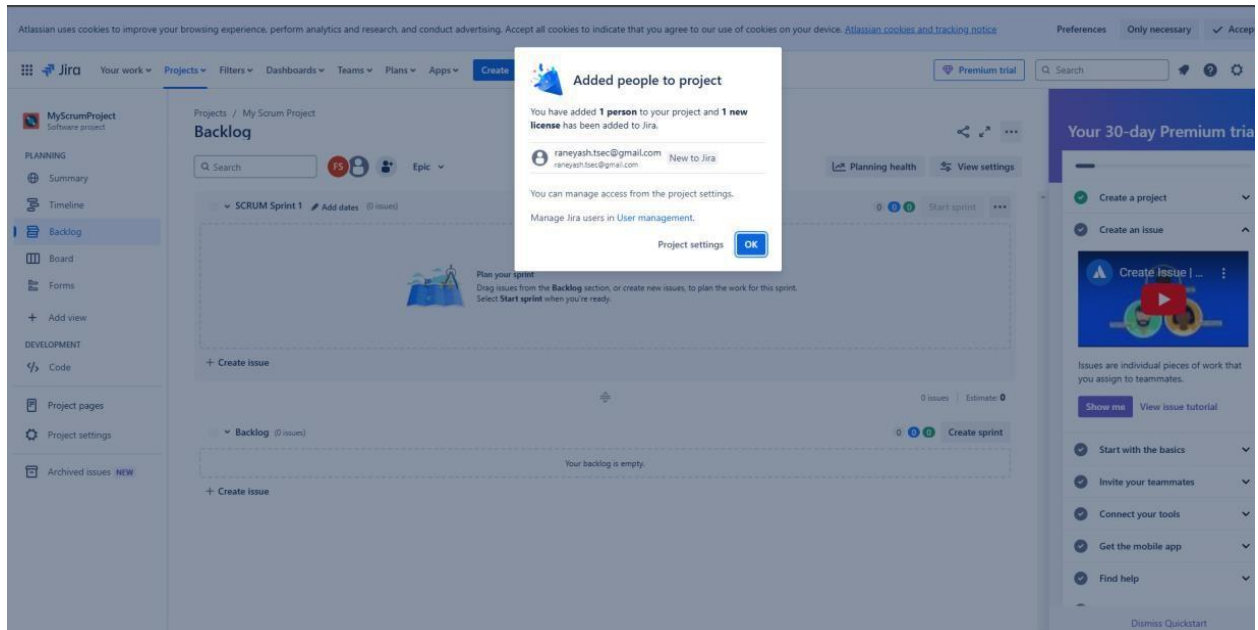
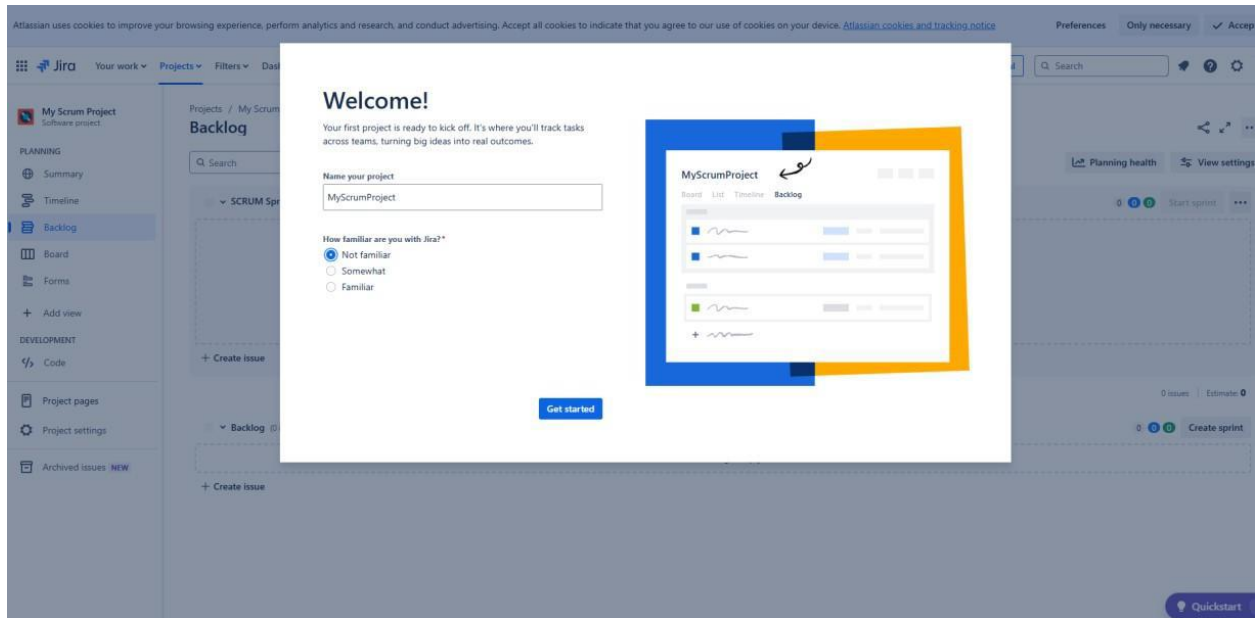


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+ Create

✓ 🎉 Nice one!
Marked "SCRUM-4" as Done
[View issue](#)

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PreferencesOnly necessary✓ Accept

MyScrumProjectSoftware project

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DEVELOPMENT

Code

Project pagesProject settingsArchived issuesNEW

Projects / My Scrum Project

Summary

1 completedin the last 7 days

4 updatedin the last 7 days

4 createdin the last 7 days

0 duein the next 7 days

Status overview

Get a snapshot of the status of your issues. View all issues

4Total issues

To Do (2)

In Progress (1)

Done (1)

Recent activity

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

Yash Rane created SCRUM-3 - Gmail-1 Verify (gmail functionality)3 minutes ago

Yash Rane created SCRUM-2 - Issues without epic5 minutes ago

Yash Rane updated the Sprint of SCRUM-1 - issues without epic7 minutes ago

Yash Rane created SCRUM-1 - issues without epic7 minutes 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

Task67%

Epic33%

Bug

Story

Subtask

Your 30-day Premium trial

Create a project

Create an issue

Create Issue J...

Issues are individual pieces of work that you assign to teammates.

Show meView issue tutorial

Start with the basics

Invite your teammates

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Give feedbackShareExport...

View settings

Search timeline

FS

Status category

Epic

Sprints

SCRUM-2 - Issues without epic

2025/02/042025/02/1815d

SCRUM-8 - Verify Gmail

Create Epic

TodayWeeksMonthsQuarters1

Jira

Your work

Projects

Filters

Dashboards

Teams

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All sprints

9 days

Complete sprint

...

Search

FS

...

Epic

Sprint

GROUP BY

None

Sprint health

View settings

TO DO 1

IN PROGRESS 1

DONE

+

GMAIL Sprint 1

ISSUES WITHOUT EPIC

SCRUM-5

+

Create issue

issues without epic

SCRUM-1

Jira

Your work

Projects

Filters

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Forms

Create a new form

Blank form

Feature request

Bug report

Incident report

Recent forms

Project MyScrumProject - Task Fo...

Last edited 9 minutes ago by you

Task

Limited

...

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You're in a team-managed project

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YR

Epic

Planning health

View settings

Epic

Plan and prioritize large chunks of work.

Create your first epic to start capturing and breaking down work for your team.

+ Create epic

SCRUM Sprint 1

Add dates (1 issue)

0 0 0 Start sprint

SCRUM-1 issues without epic

TO DO

+ Create issue

Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

+ Create issue

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Create a project

Create an issue

Create Issue | ...
Watch on YouTube

Issues are individual pieces of work that you assign to teammates.

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Issues without epic

Issues without epic

No issues

Start date
None

Due date
None

View all details

+ Create epic

SCRUM Sprint 1

Add dates (1 issue)

0 0 0 Start sprint

SCRUM-1 issues without epic

TO DO

+ Create issue

Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

+ Create issue

Your 30-day Premium trial

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Create an issue

Create Issue | ...
Watch on YouTube

Issues are individual pieces of work that you assign to teammates.

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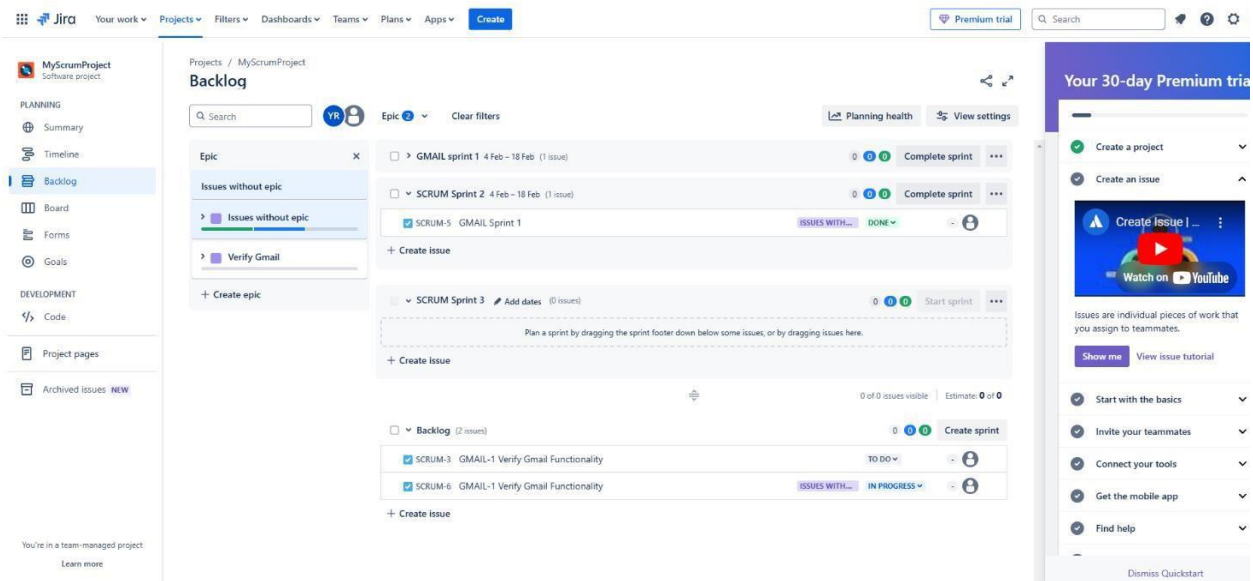
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CONCLUSION: Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.