

EXPERIMENT 6

Aim: To study agile methodology and test case management using JIRA tool. To create scrum board for scrum master using 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:

IssueTracking:

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.

AgileMethodologies:

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.

WorkflowManagement:

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.

CollaborationandCommunication:

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.

ReportingandAnalytics:

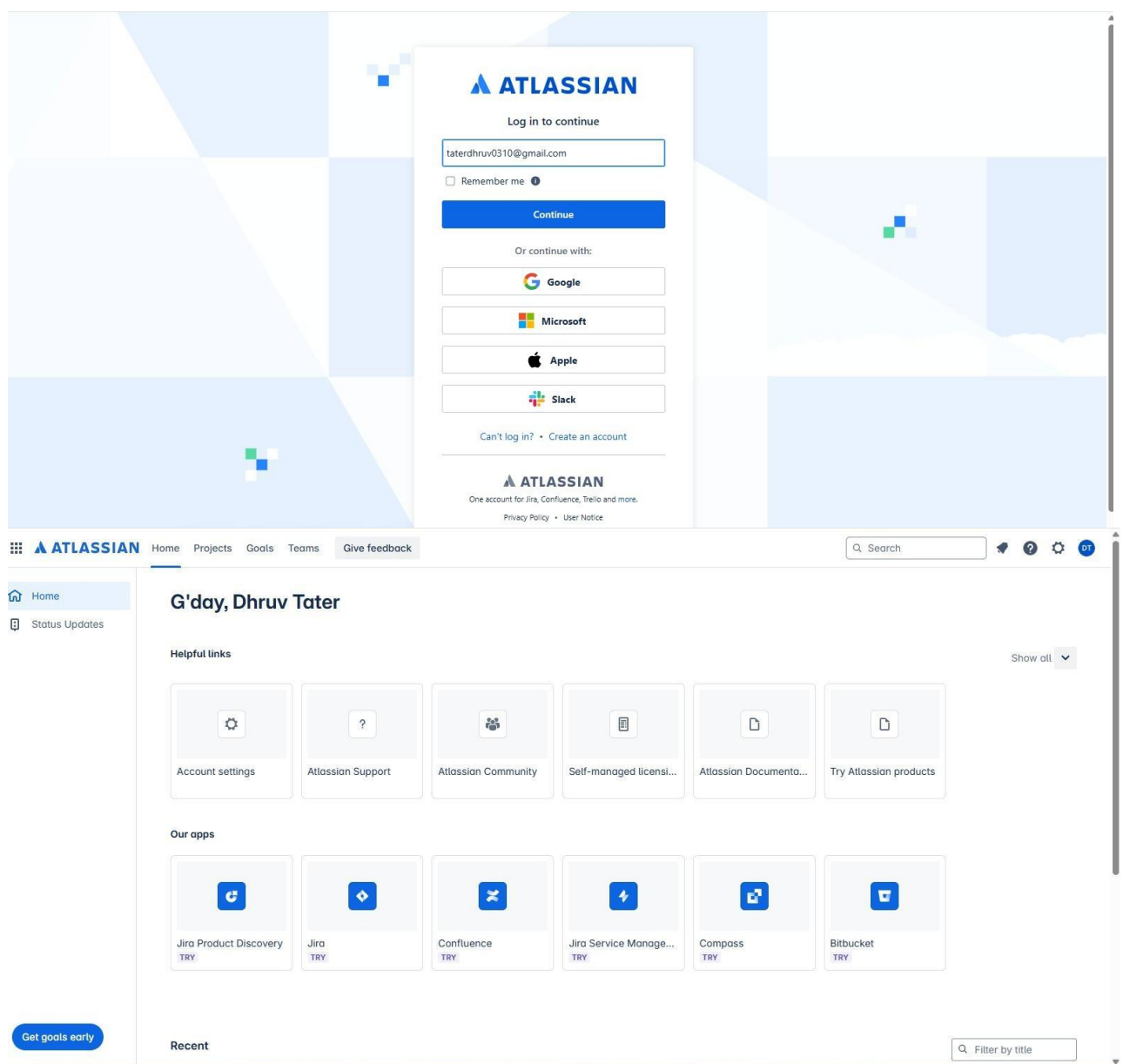
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

Integration:

JIRA integrates with a wide range of third-party tools and services, including development tools, CI/CD pipelines, customer support systems, and more. This integration ecosystem enables teams to streamline their workflows and improve productivity.

Scalability and Performance:

JIRA is designed to scale with the needs of growing teams and organizations. It can handle large volumes of data and users while maintaining performance and reliability.



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Q Search

SCRUM Sprint

+ Create issue

Backlog

+ Create issue

Welcome!

Your first project is ready to kick off. It's where you'll track tasks across teams, turning big ideas into real outcomes.

Name your project

MyScrumProject

How familiar are you with Jira? *

☒ Not familiar

☐ Somewhat

☐ Familiar

Get started

MyScrumProject

BoardListTimelineBacklog

Issue

Issue

Planning health

View settings

Start sprint

0 Issues | Estimate 0

Create sprint

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Summary

0 completed

in the last 7 days

1 updated

in the last 7 days

1 created

in the last 7 days

0 due

in the next 7 days

Status overview

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

1

Total issues

To Do (1)

In Progress (0)

Done (0)

Recent activity

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

Today

Yash Rane updated the Sprint of SCRUM-1 - issues without epic

2 minutes ago

Yash Rane created SCRUM-1 - issues without epic

2 minutes ago

Priority breakdown

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

1

0.5

0

Types of work

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

Type

Distribution

Task

100%

Epic

Bug

Story

Subtask

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List

Search list

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Give feedback

Share

1 filter applied

Group

Format

More

	Type	#	Key	Summary	Status	Sprint	Assignee	Due date
<input type="checkbox"/>			SCRUM-2	Issues without epic	TO DO			
<input type="checkbox"/>			SCRUM-3	GMAIL-1 Verify Gmail Functionality	TO DO			

+ Create

Nice one!

Marked "SCRUM-4" as Done

View Issue

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Summary

1 completed
in the last 7 days

4 updated
in the last 7 days

4 created
in the last 7 days

0 due
in the next 7 days

Status overview

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

4
Total issues

To Do (2)

In Progress (1)

Done (1)

Recent activity

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

Yash Kane created SCRUM-3 - Gmail-1 Verify Gmail Functionality.
3 minutes ago

Yash Kane created SCRUM-2 - Issues without epic
5 minutes ago

Yash Kane updated the Sprint of SCRUM-1 - issues without epic.
7 minutes ago

Yash Kane created SCRUM-1 - issues without epic
7 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

Distribution

Task67%

Epic33%

Bug

Story

Subtask

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Create a project

Create an issue

Create Issue I...

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

Show meView issue tutorial

Start with the basics

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Sprints

SCRUM-2 - Issues without epic

2025/02/04

2025/02/18

15d

SCRUM-8 - Verify Gmail

Create Epic

Today

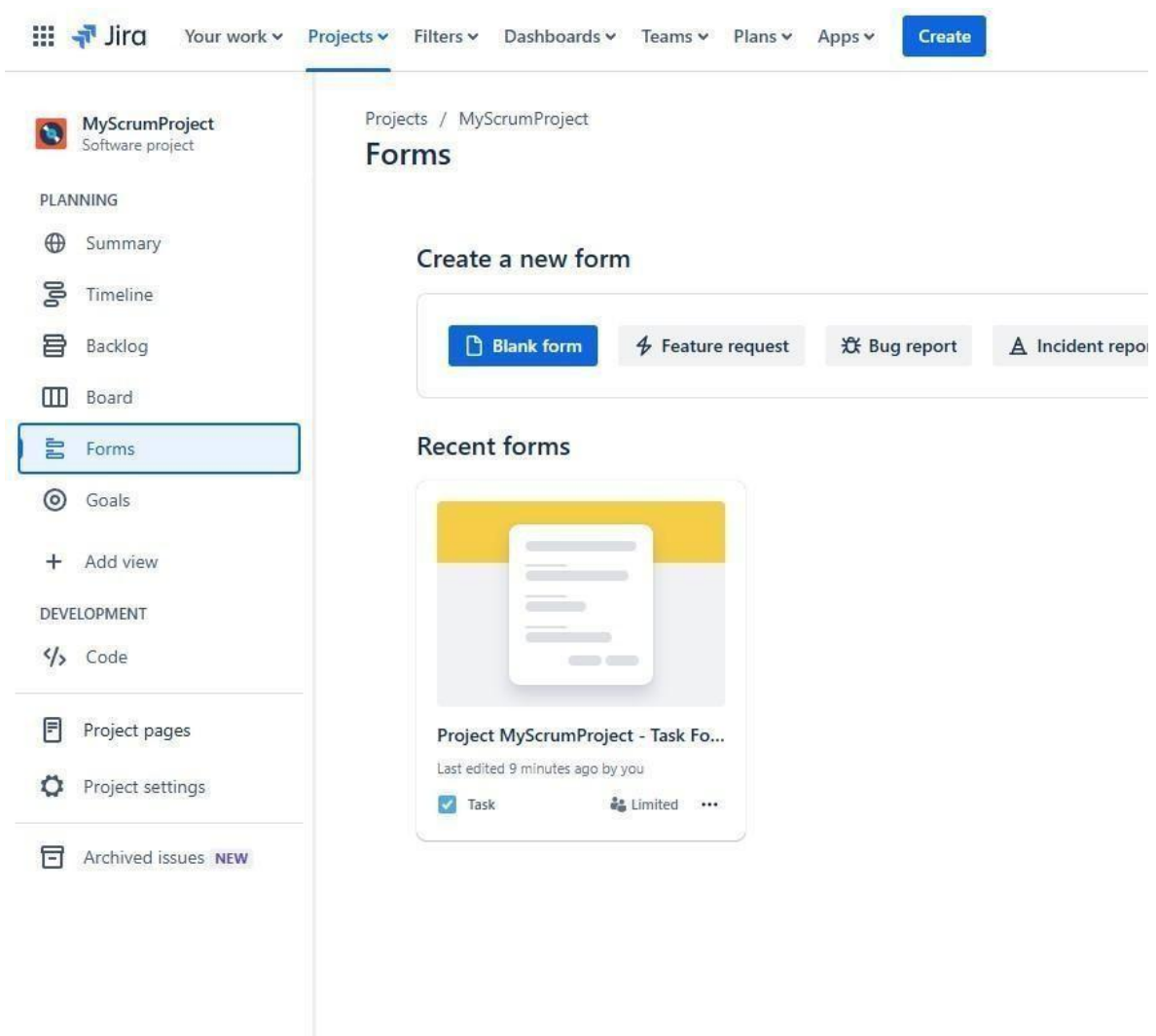
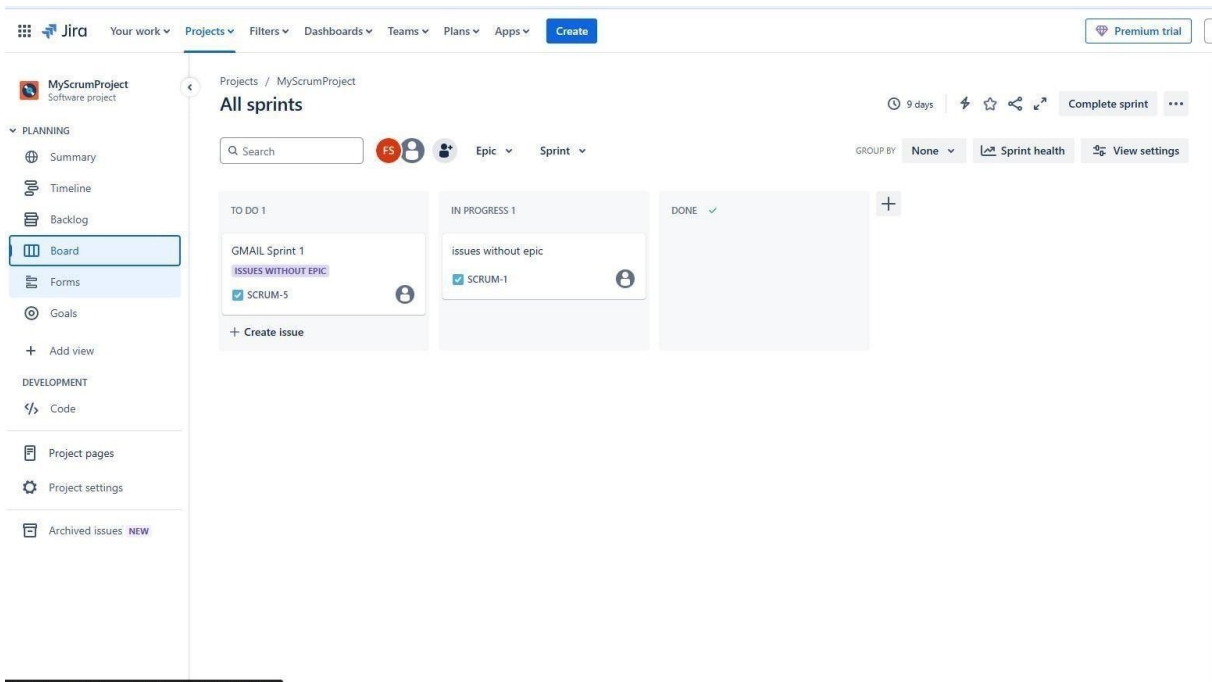
Weeks

Months

Quarters

1

⌵



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You're in a team-managed project

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Planning health

View settings

Epic

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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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X

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

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Create an issue

Create Issue | ...

Watch on YouTube

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Invite your teammates

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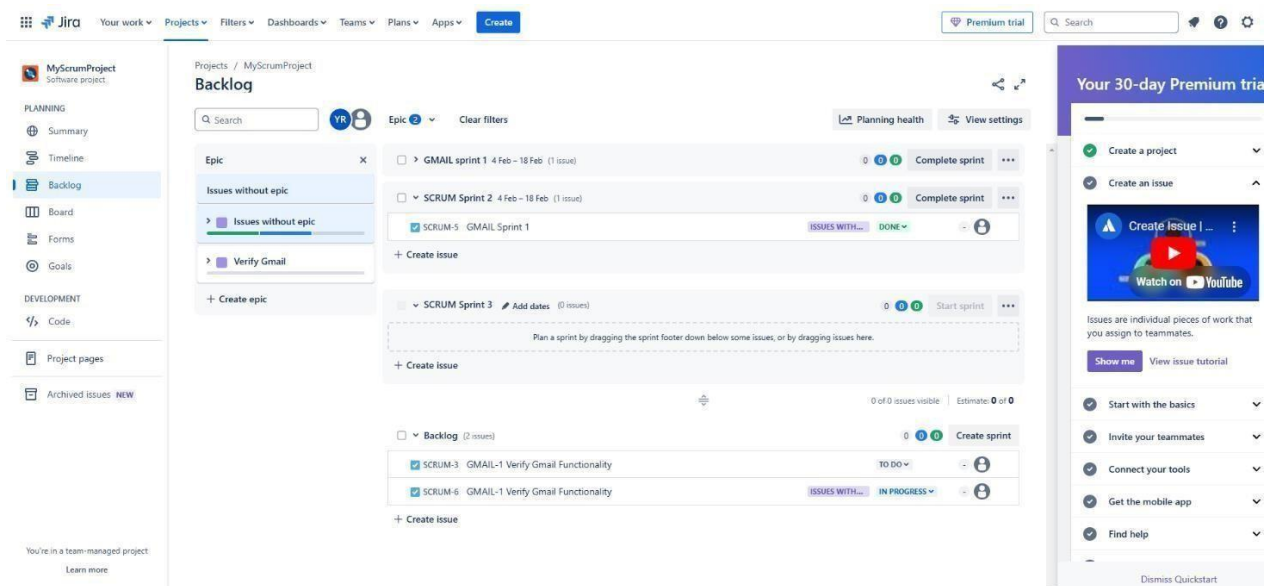
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Conclusion: Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.