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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:

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:

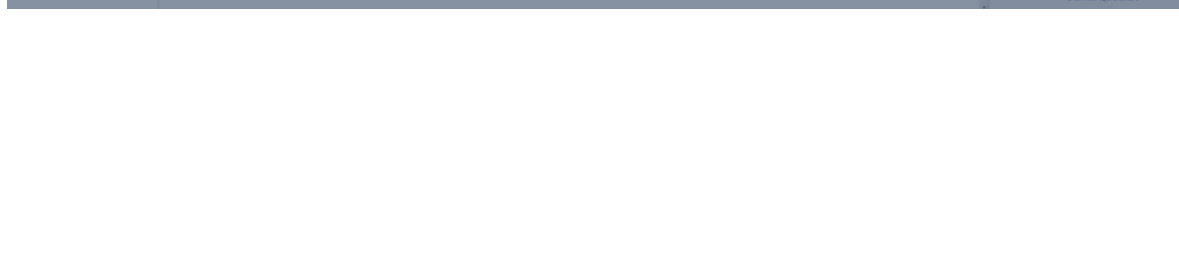
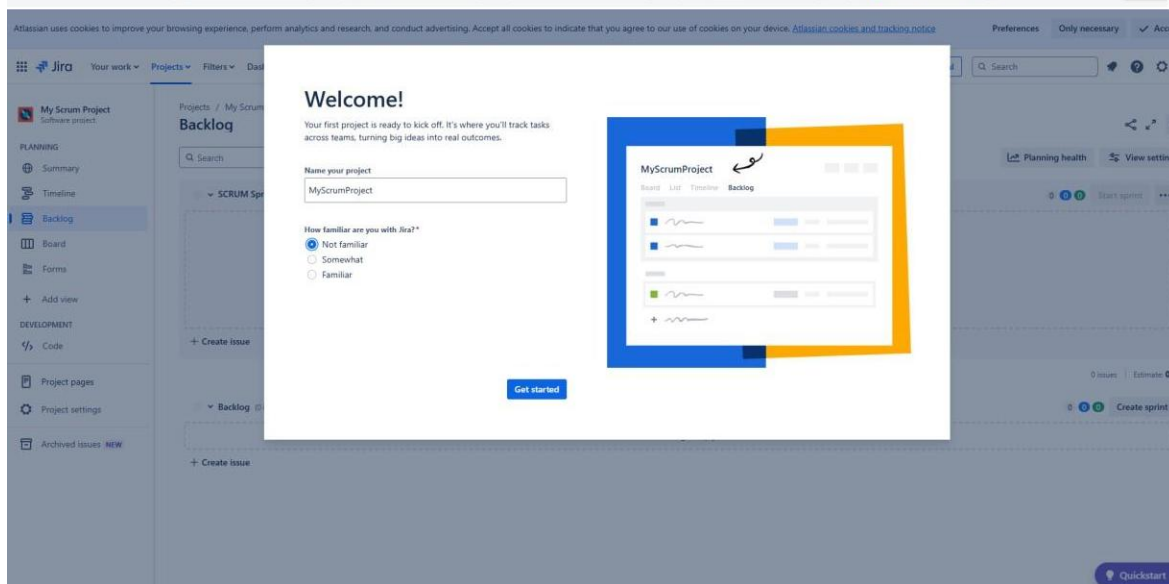
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

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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MyScrumProject

Software project

PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

Add view

DEVELOPMENT

Code

Project pages

Project settings

Archived issues NEW

Projects / MyScrumProject

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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Archived issues NEW

Projects / MyScrumProject

List

Search list

FS

Give feedback

< Share

1 filter applied

Group

Format

More

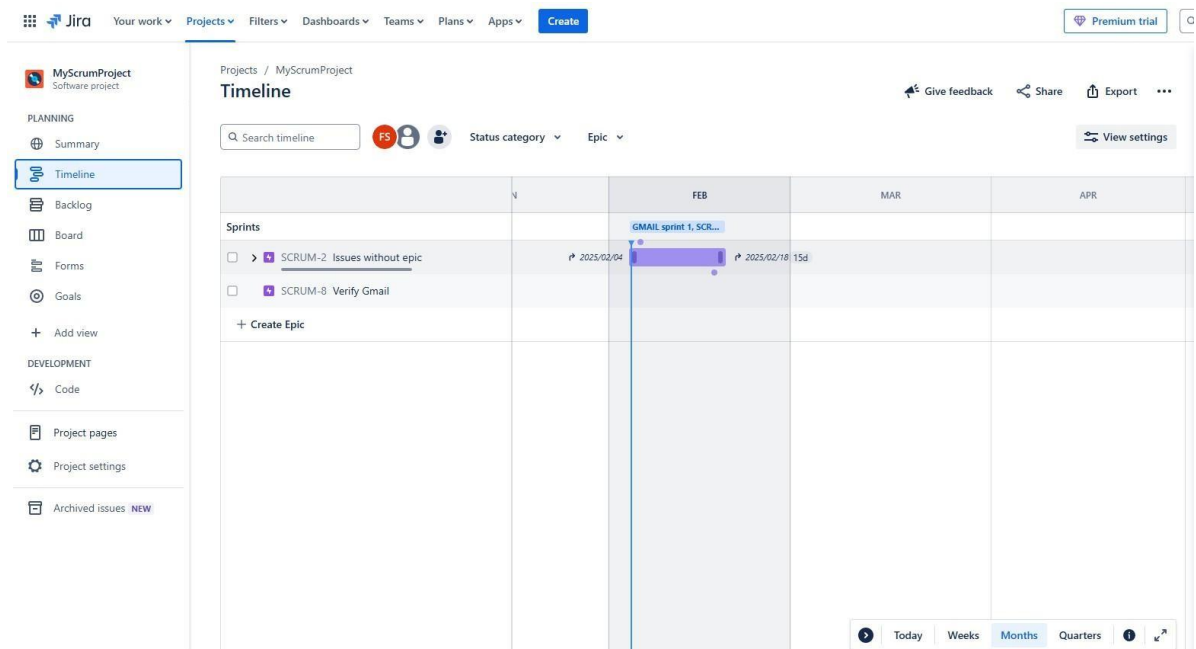
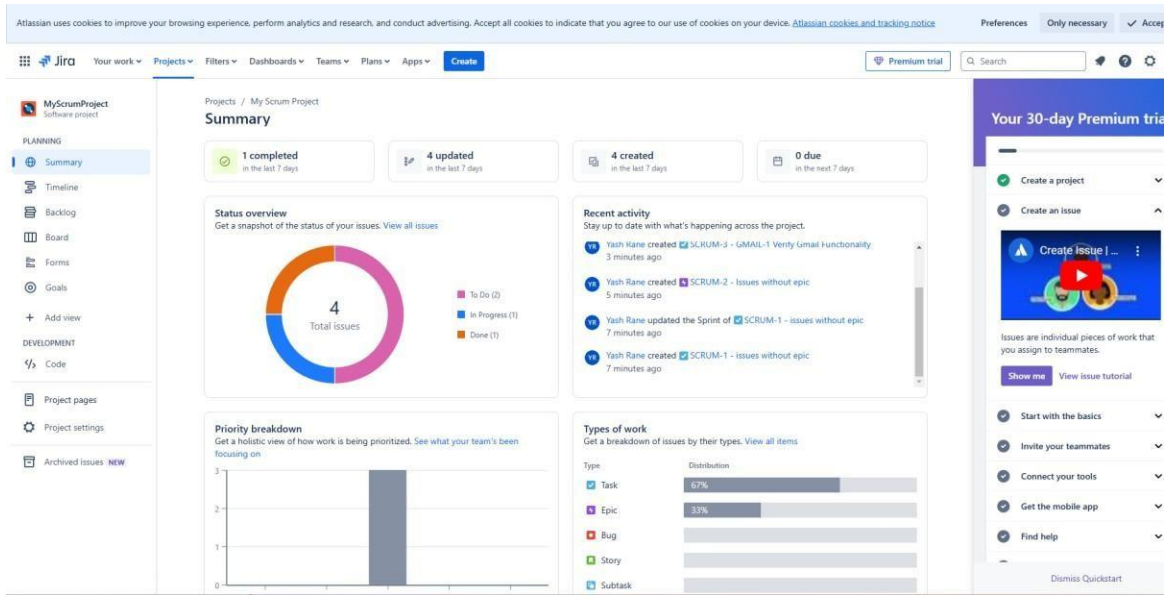
<input type="checkbox"/>	Type	# Key	Summary	Status	Sprint	@ Assignee	Due date	+
<input type="checkbox"/>	Epic	SCRUM-2	Issues without epic	TO DO				
<input type="checkbox"/>	Task	SCRUM-3	GMAIL-1 Verify Gmail Functionality	TO DO				

+ Create

Nice one!

Marked "SCRUM-4" as Done

View issue



Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

Premium trial

MyScrumProject

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Archived issues NEW

Projects / MyScrumProject

All sprints

9 days

Complete sprint

Search

FS

Epic

Sprint

GROUP BY: None

Sprint health

View settings

TO DO 1

GMAIL Sprint 1

ISSUES WITHOUT EPIC

SCRUM-5

Create issue

IN PROGRESS 1

issues without epic

SCRUM-1

DONE

Jira

Your work

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Archived issues NEW

Projects / MyScrumProject

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

MyScrumProject

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Archived issues NEW

You're in a team-managed project

Learn more

Projects / MyScrumProject

Backlog

Q Search

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

1 issue

Estimate: 0

+ Create issue

Backlog (0 issues)

0 0 0

Create sprint

Your backlog is empty.

+ Create issue

Your 30-day Premium trial

Create a project

Create an issue

Create Issue! ...

Watch on YouTube

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

Show me View issue tutorial

Start with the basics

Invite your teammates

Connect your tools

Get the mobile app

Find help

Discover what else is included

Explore Premium features

Dismiss Quickstart

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Epic

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

1 issue

Estimate: 0

+ Create issue

Backlog (0 issues)

0 0 0

Create sprint

Your backlog is empty.

+ Create issue

Your 30-day Premium trial

Create a project

Create an issue

Create Issue! ...

Watch on YouTube

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

Show me View issue tutorial

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Invite your teammates

Connect your tools

Get the mobile app

Find help

Discover what else is included

Explore Premium features

Dismiss Quickstart

Jira interface showing the Backlog for MyScrumProject. The interface includes a sidebar with navigation options (Summary, Timeline, Backlog, Board, Forms, Goals, Code, Project pages, Archived issues) and a main content area displaying the Backlog. The Backlog is organized into sections: Epic, Issues without epic, and Backlog (2 issues). The Backlog section shows two issues: SCRUM-3 (GMAIL-1 Verify Gmail Functionality) and SCRUM-6 (GMAIL-1 Verty Gmail Functionality). The right sidebar displays a 'Your 30-day Premium trial' banner and a list of tasks to complete, including 'Create a project', 'Create an issue', 'Start with the basics', 'Invite your teammates', 'Connect your tools', 'Get the mobile app', and 'Find help'.

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.