

SEPM EXPERIMENT 6

Name: Mohammed Arhaan Ali

Div: T11

Roll No: 02

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:

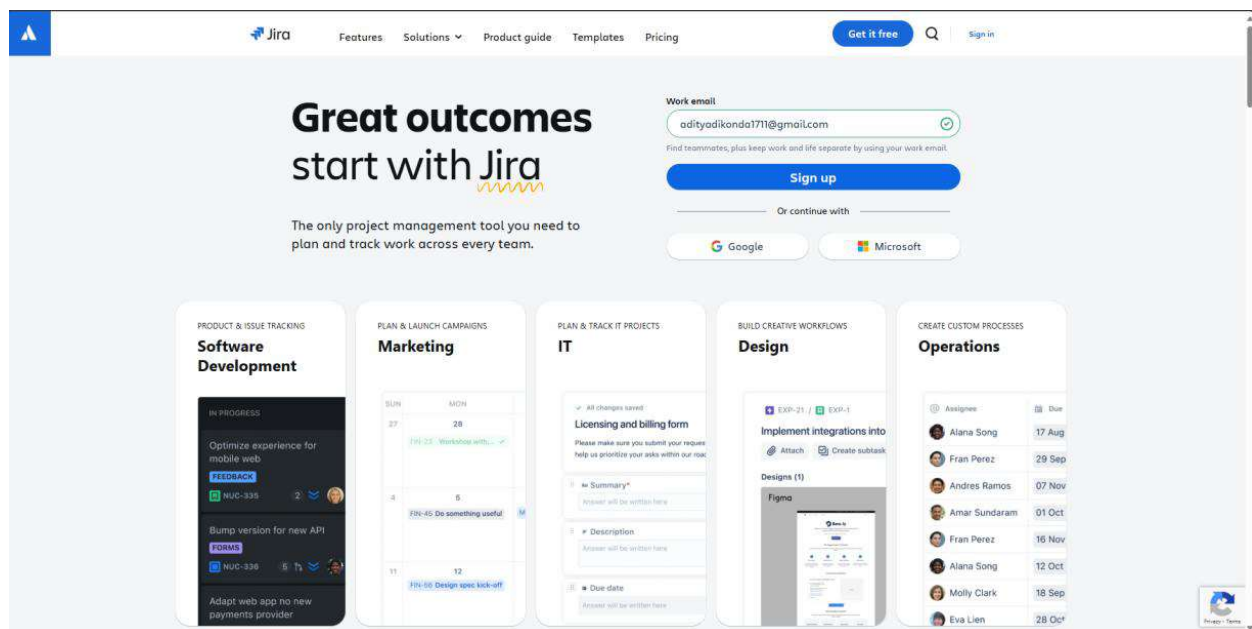
JIRA allows teams to define custom workflows that represent the lifecycle of an issue from creation to completion. Workflows can include various statuses, transitions, and conditions to reflect the specific processes followed by the team.

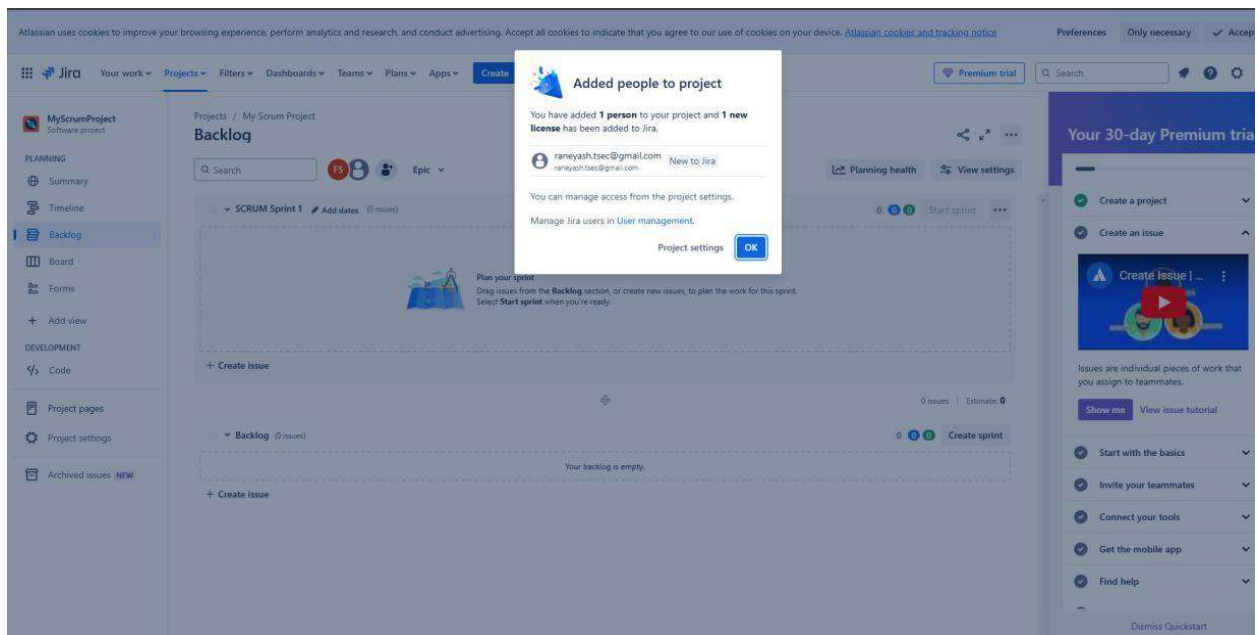
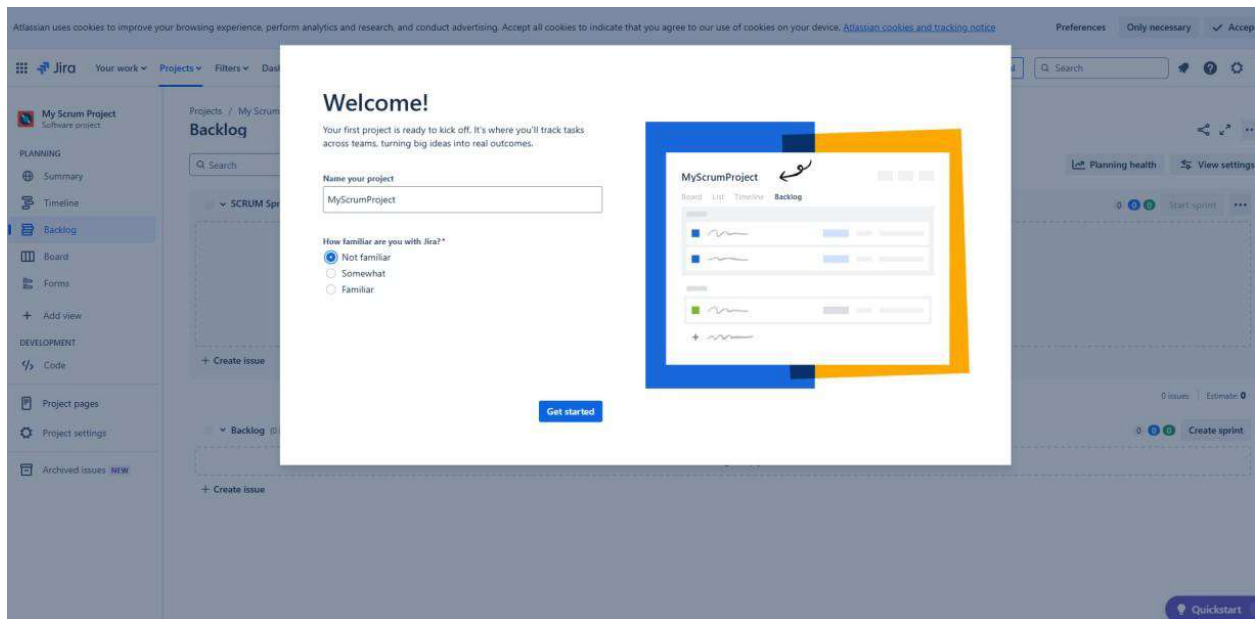
Customization:

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:





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](#)



Recent activity

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

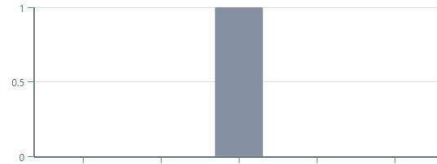
Today

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

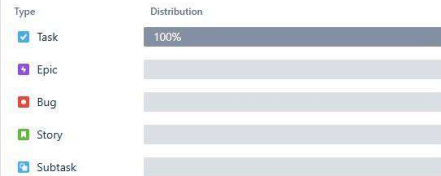
Priority breakdown

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



Types of work

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



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List

Search list



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	EMAIL-1 Verify Email Functionality	TO DO			

+ Create

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

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PreferencesOnly necessary✓ Accept

MyScrumProjectSoftware project

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SummaryTimelineBacklogBoardFormsGoalsAdd view

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Project pagesProject settingsArchived issues NEW

Projects / MyScrumProject

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 Functionality3 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

TypeDistribution

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

Connect your tools

Get the mobile app

Find help

Dismiss Quickstart

MyScrumProjectSoftware project

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Project pagesProject settingsArchived issues NEW

Projects / MyScrumProject

Timeline

Give feedbackShareExport...

View settings

Search timeline

ES

Status category

Epic

	FEB	MAR	APR
Sprints	GMAIL sprint 1, SCR...		
<input type="checkbox"/> > SCRUM-2 - Issues without epic	2025/02/042025/02/1815d		
<input type="checkbox"/> SCRUM-8 - Verify Gmail			
+ Create Epic			

TodayWeeksMonthsQuarters12

Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

Premium trial

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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

Dashboards

Teams

Plans

Apps

Create

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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

...

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Archived issues **NEW**

MyScrumProject

Software project

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VS

Epic

Planning health

View settings

Epic

Issues without epic

No issues

Start date
None

Due date
None

View all details

+ Create epic

SCRUM Sprint 1 Add dates (1 issue)

SCRUM-1 Issues without epic: TO DO

+ Create issue

Backlog (0 issues)

Your backlog is empty.

+ Create issue

Premium trial

Search

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

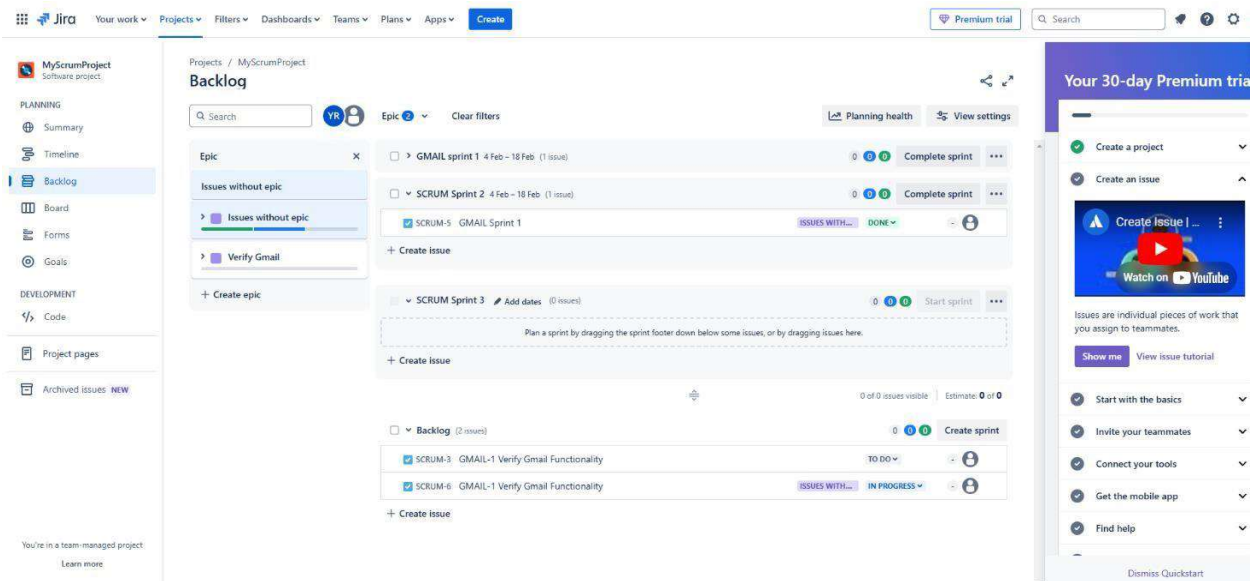
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Dismiss Quickstart



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.