

Name – HRISHIKESH

Batch – T11

Roll No. - 23

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:

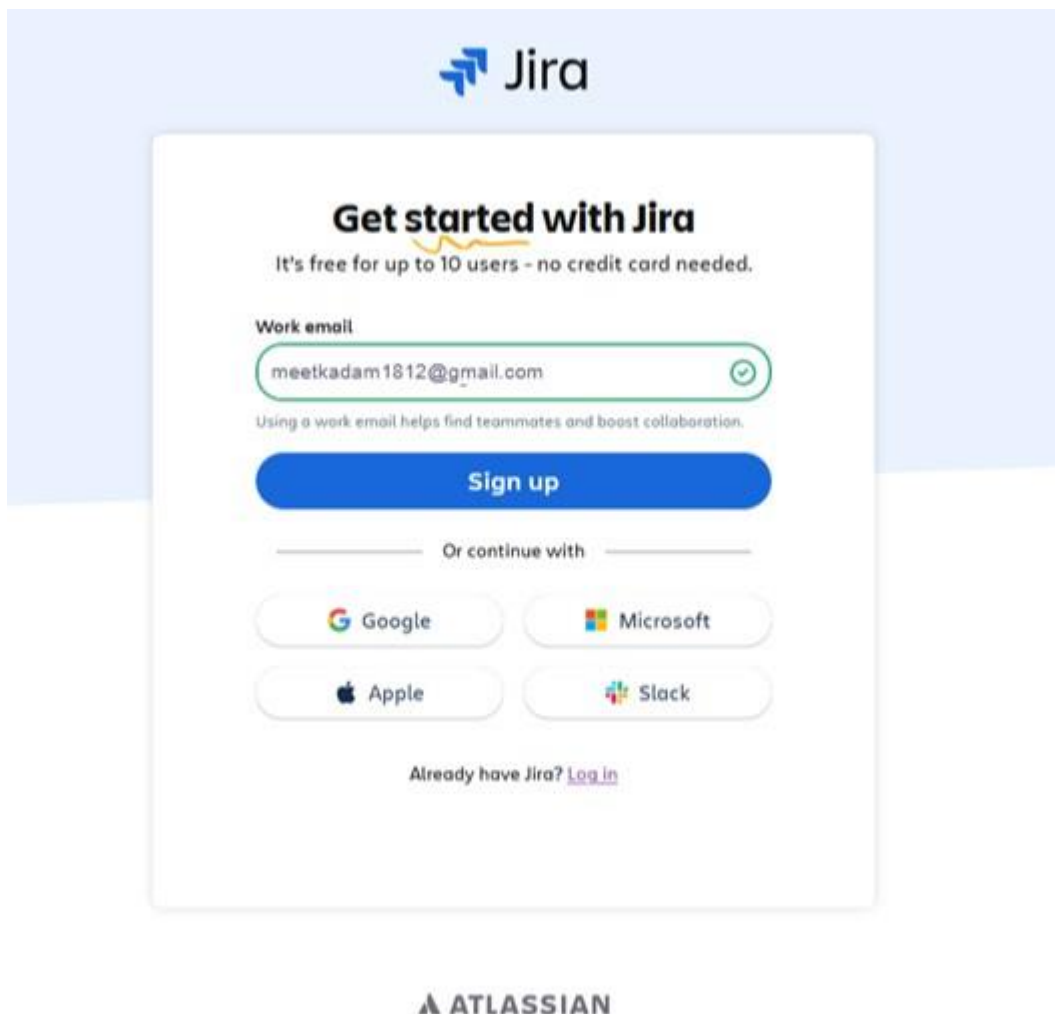
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

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.



The image shows the Jira sign-up page. At the top, the Jira logo is displayed. Below it, the heading "Get started with Jira" is followed by the text "It's free for up to 10 users - no credit card needed." A "Work email" input field contains the email "meetkadam1812@gmail.com" and has a green checkmark icon to its right. Below the input field, a note states "Using a work email helps find teammates and boost collaboration." A large blue "Sign up" button is positioned below the note. Underneath the button, the text "Or continue with" is centered, followed by four social login buttons: Google, Microsoft, Apple, and Slack. At the bottom, the text "Already have Jira?" is followed by a "Log in" link. The Atlassian logo is at the very bottom.

Jira

Get started with Jira

It's free for up to 10 users - no credit card needed.

Work email

meetkadam1812@gmail.com

Using a work email helps find teammates and boost collaboration.

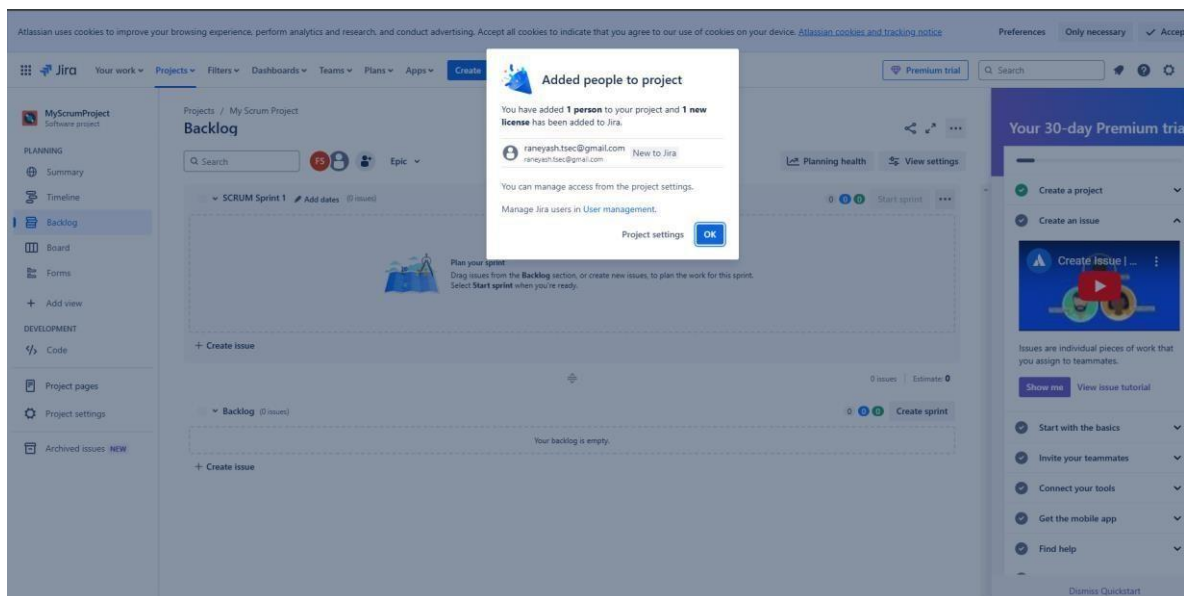
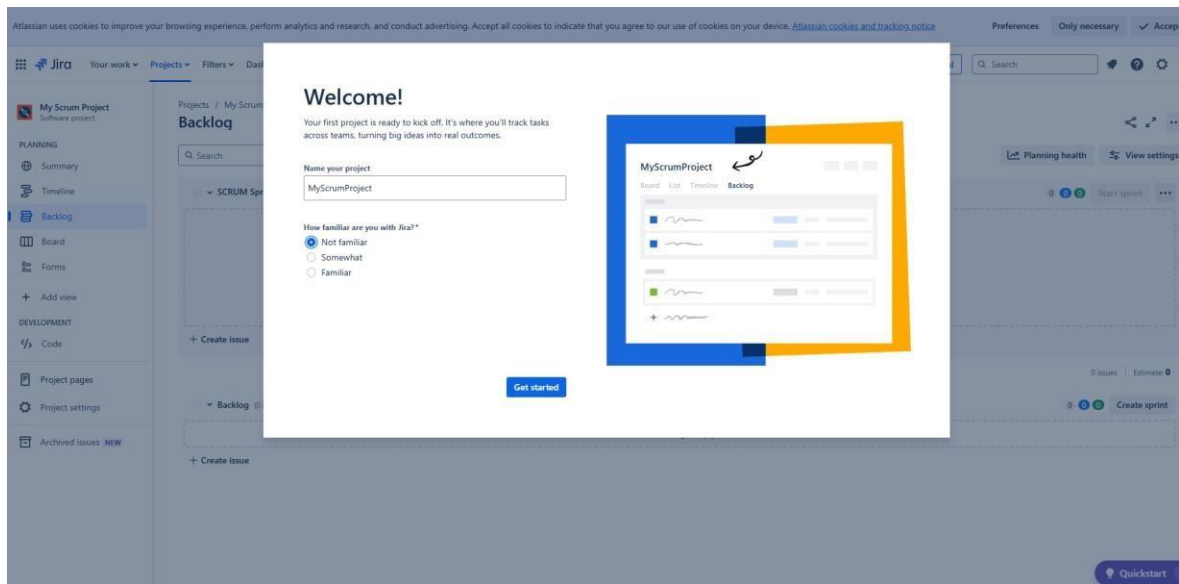
Sign up

Or continue with

Google Microsoft Apple Slack

Already have Jira? [Log in](#)

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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 / My Scrum Project

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)

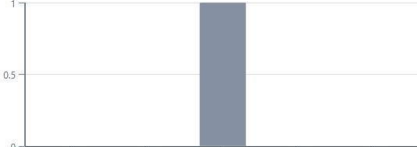
Done (0)

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



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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Project settings

Archived issues **NEW**

Projects / MyScrumProject

List

Search list

FS

< 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

SummaryTimelineBacklogBoardFormsGoalsAdd viewDevelopmentCodeProject pagesProject settingsArchived issuesNEW

Projects / MyScrumProjectSummary

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

4Total issues

To Do (2)

In Progress (1)

Done (1)

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

Yash Rane created SCRUM-1 - 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 breakdownGet a holistic view of how work is being prioritized. See what your team's been focusing on

Types of workGet 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 | ...

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

SummaryTimelineBacklogBoardFormsGoalsAdd viewDevelopmentCodeProject pagesProject settingsArchived issuesNEW

Projects / MyScrumProjectTimeline

Give feedbackShareExport...

Search timelineFS

Status categoryEpic

View settings

	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			

TodayWeeksMonthsQuarters1

Jira

Your work

Projects

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Dashboards

Teams

Plans

Apps

Create

Premium trial

MyScrumProject

Software project

Projects / MyScrumProject

All sprints

9 days

Complete sprint

Q Search

FS

FS

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

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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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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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YR

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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)

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

Create a project

Create an issue

Create Issue | ...

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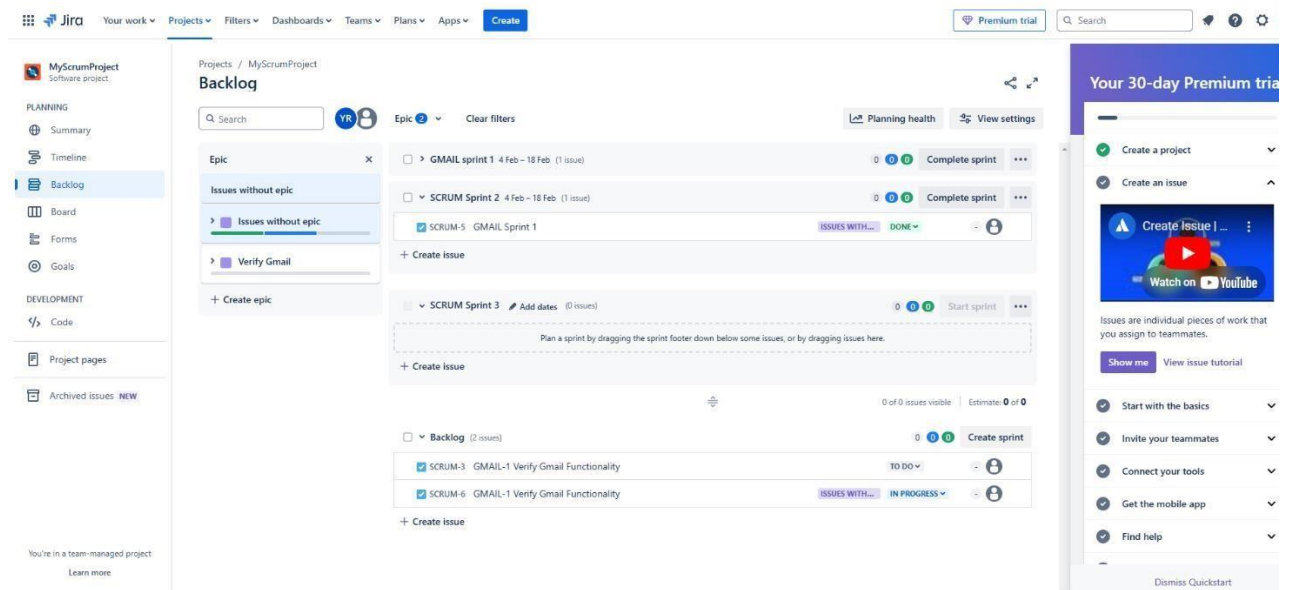
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Conclusion: Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.