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Roll No. - 60

Batch - T13

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:

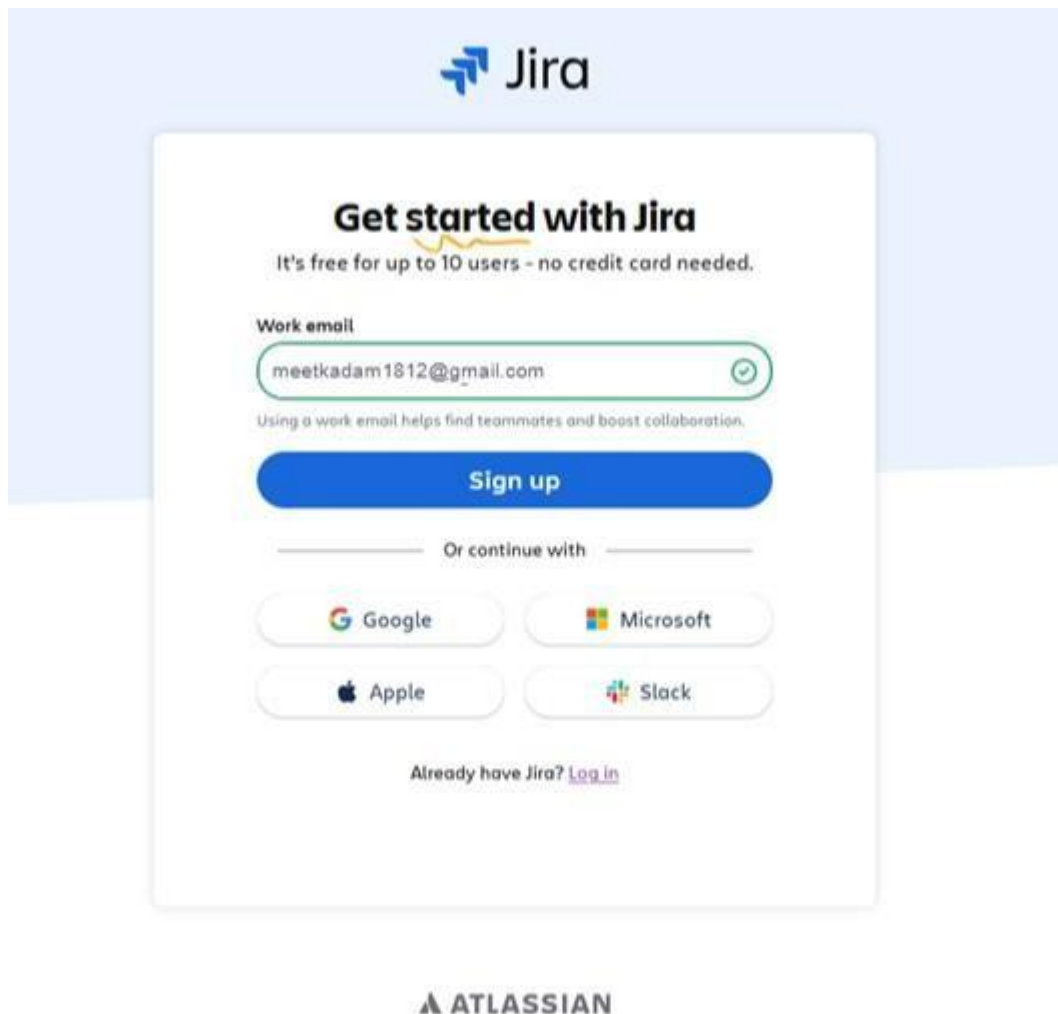
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

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 interface. 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 on the 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 centered. Below the button, the text "Or continue with" is flanked by four social login buttons: Google, Microsoft, Apple, and Slack. At the bottom, a link says "Already have Jira? [Log in](#)". 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.

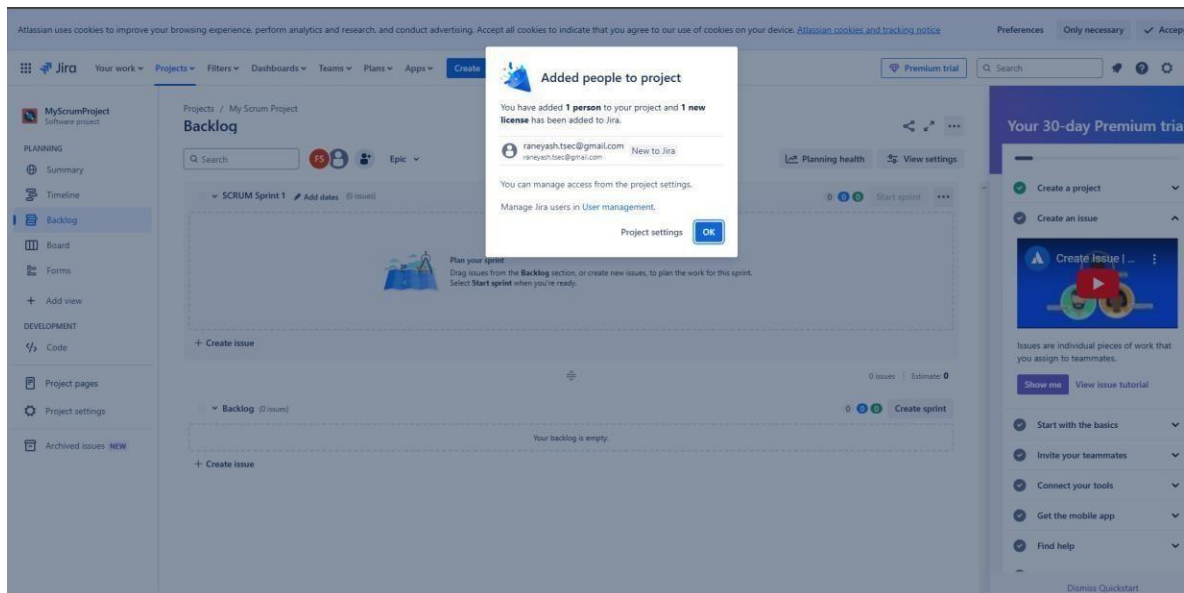
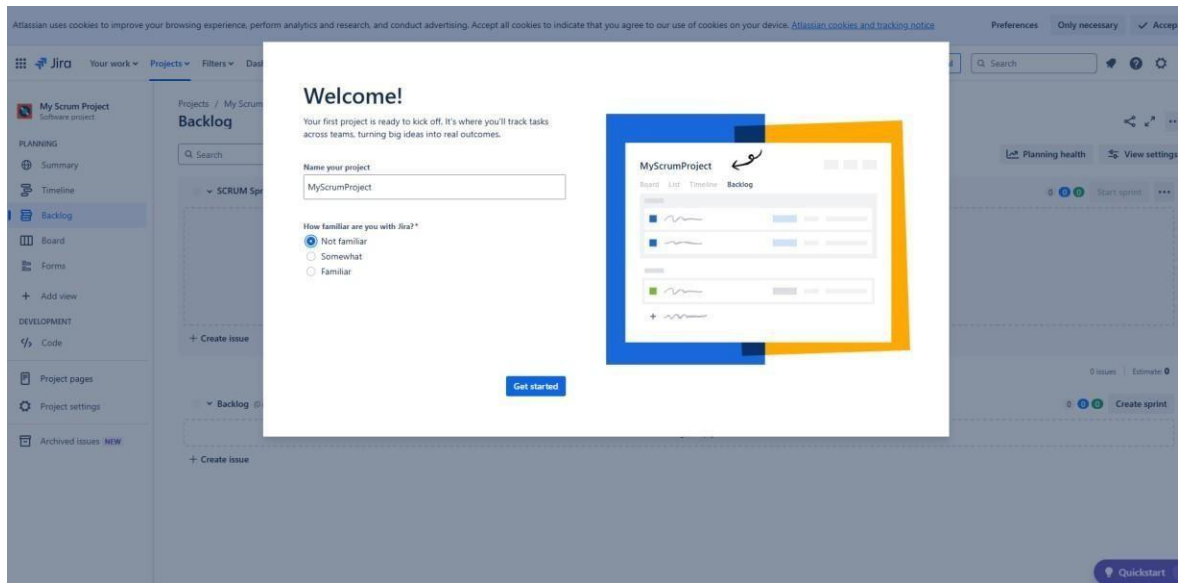
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Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

Premium trial

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

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

Projects / MyScrumProject

List

Search list

FS

Give feedback

Share

1 filter applied

Group

Format

More

	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

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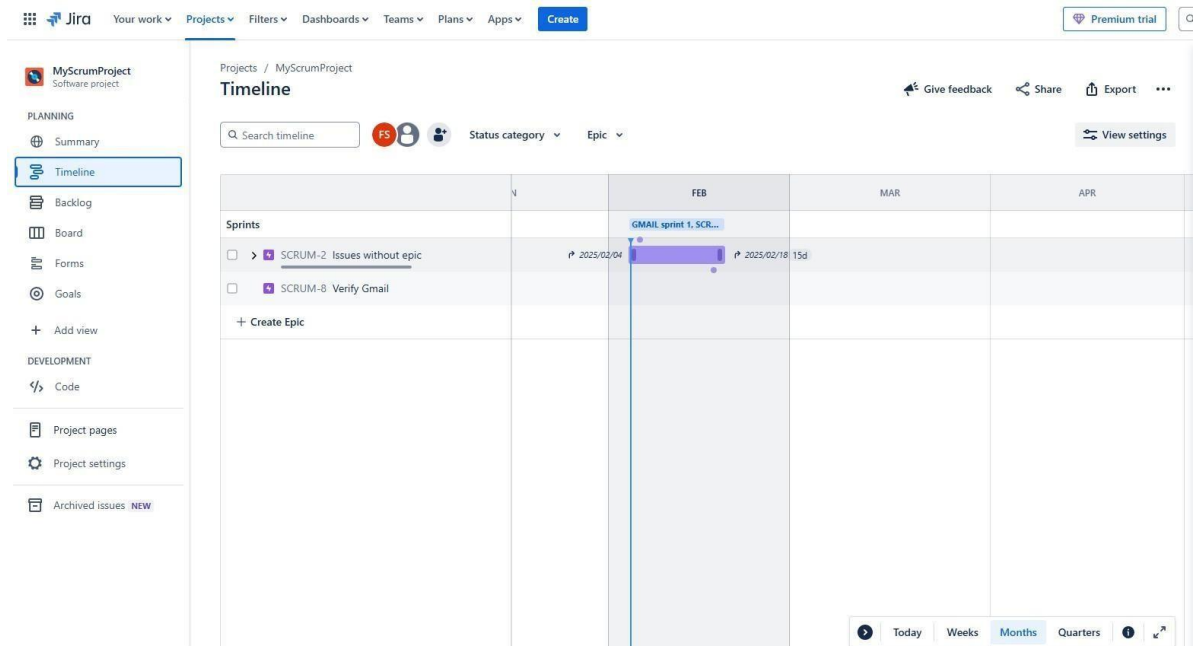
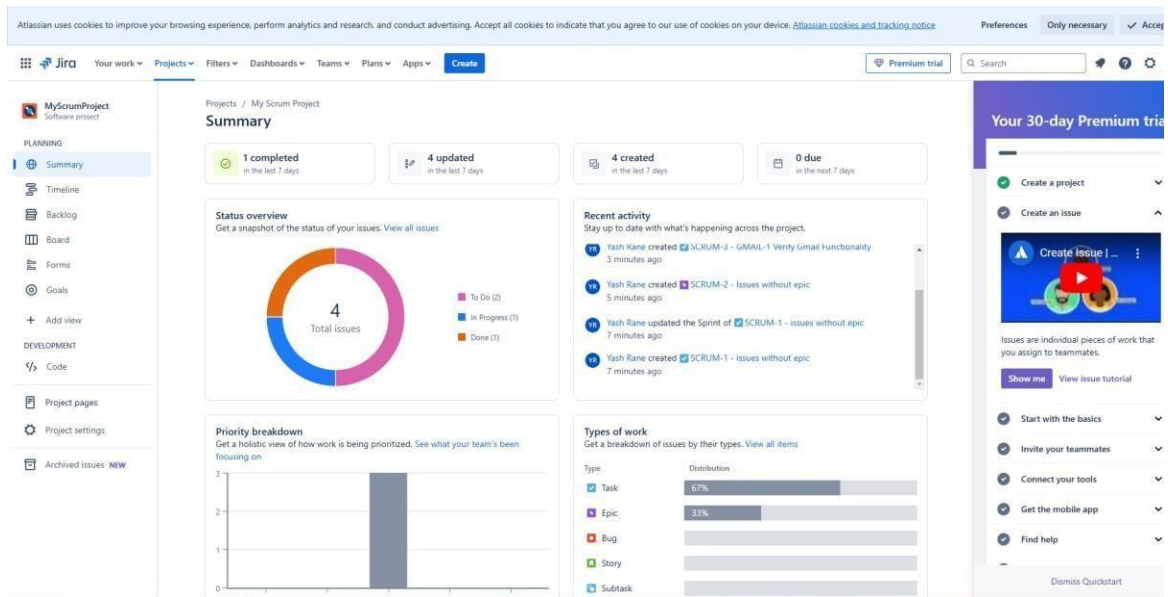
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Archived issues NEW

Projects / MyScrumProject

All sprints

9 days ⚡ ⭐ 🔗 ↻ Complete sprint ⋮

Q 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

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Projects

Filters

Dashboards

Teams

Plans

Apps

Create

MyScrumProject

Software project

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Backlog

Board

Forms

Goals

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Code

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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

Software project

PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

DEVELOPMENT

Code

Project pages

Archived issues NEW

You're in a team-managed project

[Learn more](#)

Projects / MyScrumProject

Backlog

Q Search

YR

Epic

Planning health

View settings

Epic

X

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

Start sprint

...

SCRUM-1 issues without epic

TO DO

+ Create issue

Backlog (0 issues)

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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View settings

Epic

X

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

Start sprint

...

SCRUM-1 issues without epic

TO DO

+ Create issue

Backlog (0 issues)

0

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Dismiss Quickstart

The image is a screenshot of the Jira web application interface. At the top, there's a navigation bar with the Jira logo and various menu items like 'Your work', 'Projects', 'Filters', 'Dashboards', 'Teams', 'Plans', 'Apps', and a 'Create' button. Below this, the main content area is titled 'MyScrumProject' and 'Backlog'. On the left side of the main area, there's a sidebar with navigation options: 'Summary', 'Timeline', 'Backlog' (which is highlighted), 'Board', 'Forms', 'Goals', and 'Code'. The 'Backlog' view shows a list of items. At the top, there's a search bar and a 'Clear filters' button. Below that, there's a section for 'Epic' with a dropdown menu. The main list of items includes 'GMAIL sprint 1' (4 Feb - 18 Feb, 1 issue), 'SCRUM Sprint 2' (4 Feb - 18 Feb, 1 issue), and 'SCRUM-5 GMAIL Sprint 1'. Each item has a status indicator (e.g., 'Complete sprint') and a 'Create issue' button. On the right side of the main area, there's a sidebar titled 'Your 30-day Premium trial' which contains a list of actions: 'Create a project', 'Create an issue', 'Start with the basics', 'Invite your teammates', 'Connect your tools', 'Get the mobile app', and 'Find help'. There's also a 'Dismiss Quickstart' button at the bottom of this sidebar.

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.