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Batch: T12-44

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.



Get started with Jira

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

Work email

vinitkadamvk2005@gmail.com



Using a work email helps find teammates and boost collaboration.

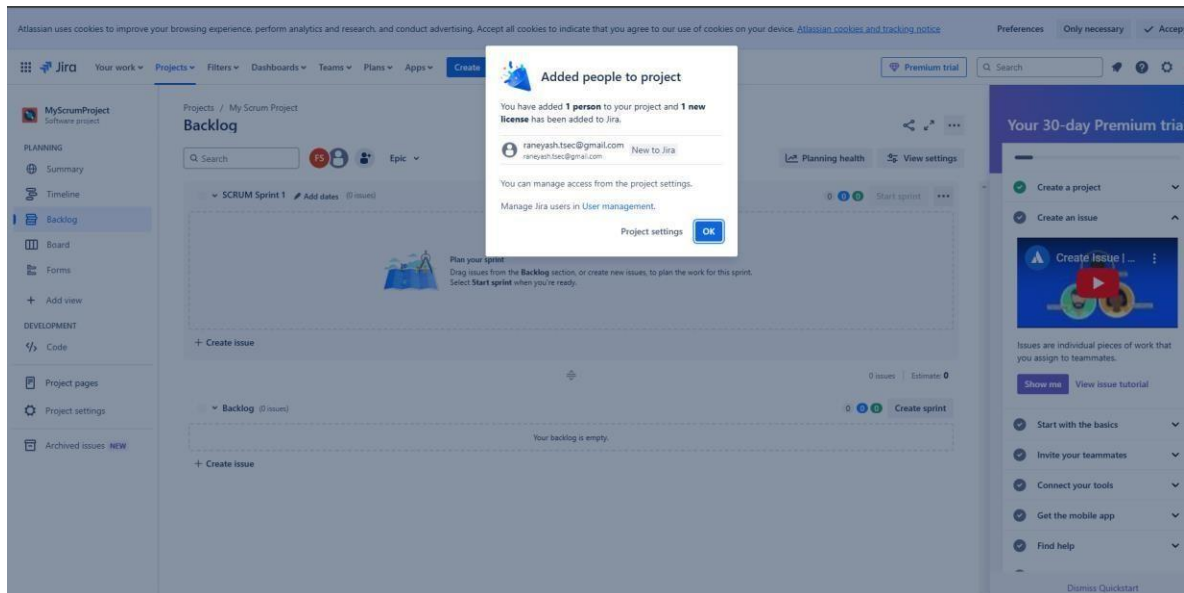
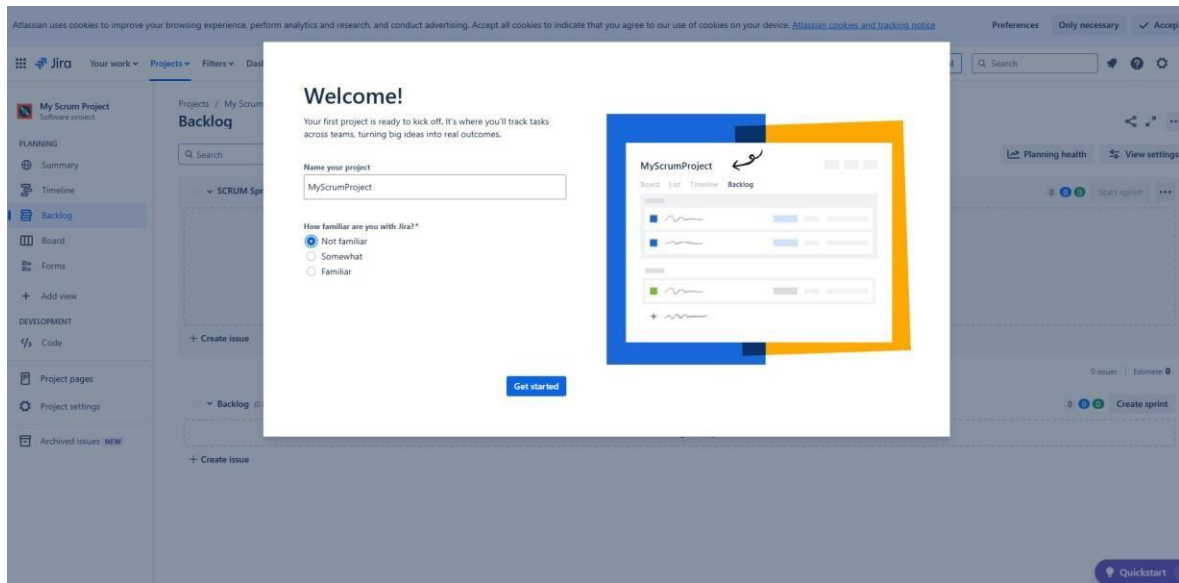
Sign up

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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 pages

Project settings

Archived issues **NEW**

Projects / MyScrumProject

List

Search list

FS

Give feedback

Share

1 filter applied

Group

Format

More

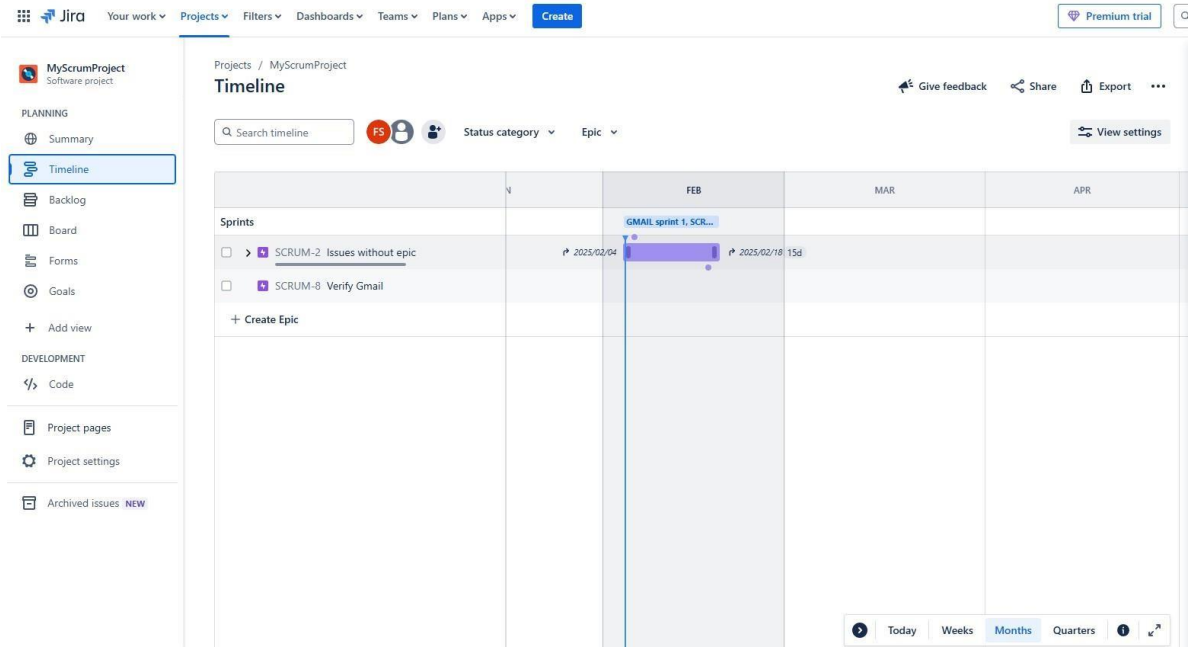
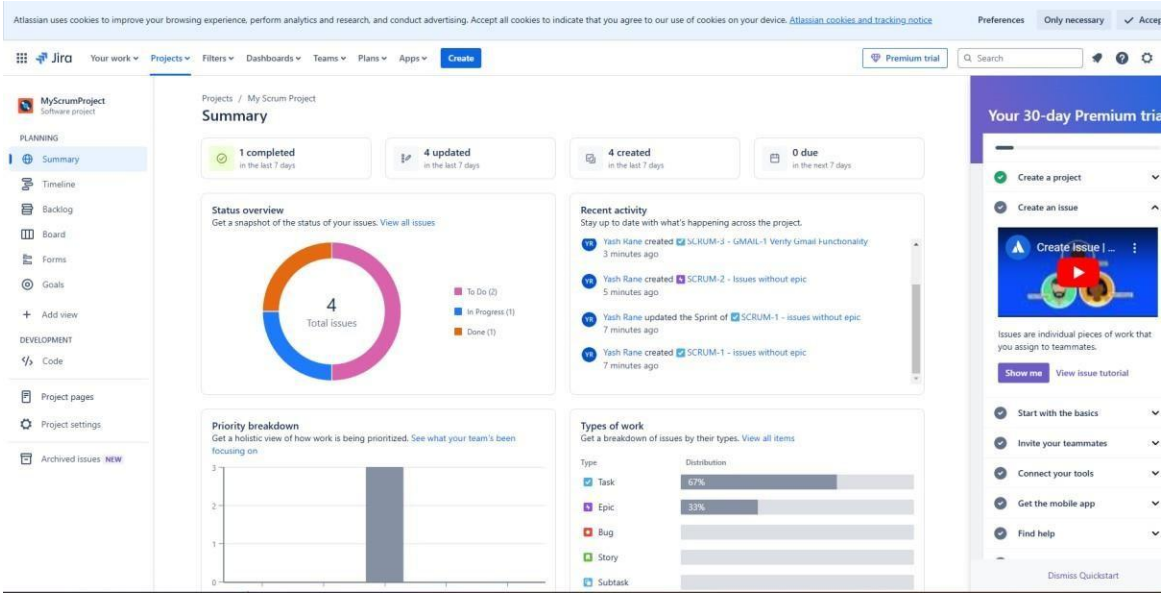
<input type="checkbox"/>	Type	# Key	Summary	Status	Sprint	@ Assignee	Due date	+
<input type="checkbox"/>	Epic	SCRUM-2	Issues without epic	TO DO				
<input type="checkbox"/>	Task	SCRUM-3	GMAIL-1 Verify Gmail Functionality	TO DO				

+ Create

Nice one!

Marked "SCRUM-4" as Done

View Issue



Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

Premium trial

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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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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

+ 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

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Q Search

YR

Epic

Planning health

View settings

Epic

Issues without epic

No issues

Start date: None

Due date: None

View all details

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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Jira navigation bar: Your work, Projects, Filters, Dashboards, Teams, Plans, Apps, Create. Premium trial badge and search bar.

Left sidebar: MyScrumProject Software project. Planning: Summary, Timeline. Backlog (selected). Board, Forms, Goals. Development: Code. Project pages. Archived issues: NEW. You're in a team-managed project. Learn more.

Main content: Projects / MyScrumProject Backlog. Search bar. Epic filter. Clear filters. Planning health. View settings.

Backlog items:

- Epic: Issues without epic. Issues without epic. Verify Gmail. + Create epic.
- GMAIL sprint 1 4 Feb - 18 Feb (1 issue). Complete sprint.
- SCRUM Sprint 2 4 Feb - 18 Feb (1 issue). Complete sprint.
- SCRUM-5 GMAIL Sprint 1. ISSUES WITH... DONE.
- + Create issue.
- SCRUM Sprint 3 Add dates (0 issues). Start sprint.
- Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.
- + Create issue.
- Backlog (2 issues). Create sprint.
- SCRUM-3 GMAIL-1 Verify Gmail Functionality. TO DO.
- SCRUM-6 GMAIL-1 Verty Gmail Functionality. ISSUES WITH... IN PROGRESS.
- + Create issue.

Right sidebar: 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. 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.