

## **EXPERIMENT 6**

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batch\_t22

roll\_no\_98

**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.

**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.



Software



Operations



HR

# Connect every team, task, and project together with Jira

Work email

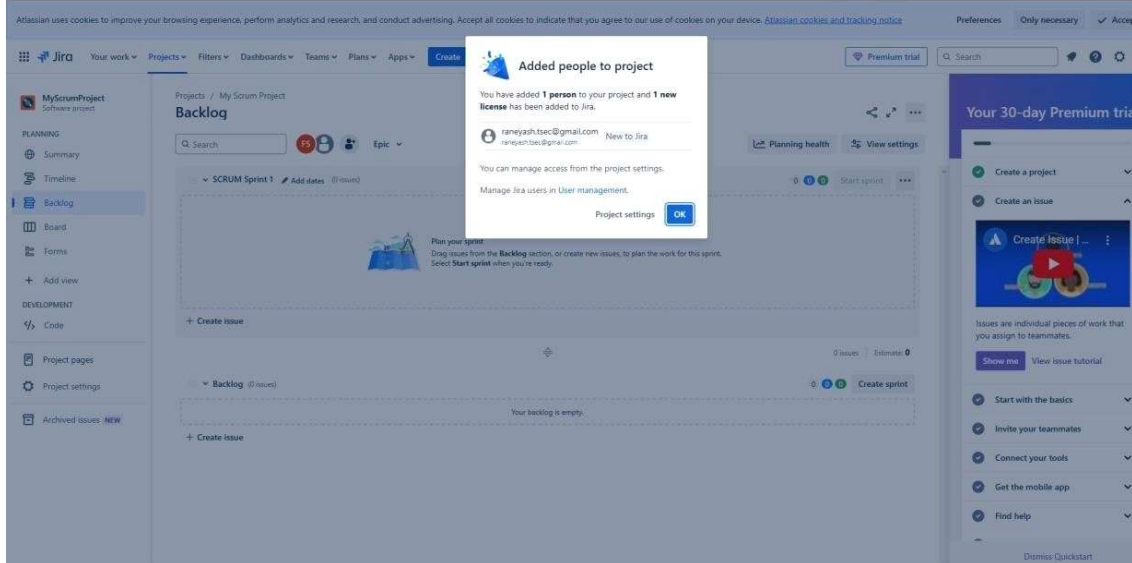
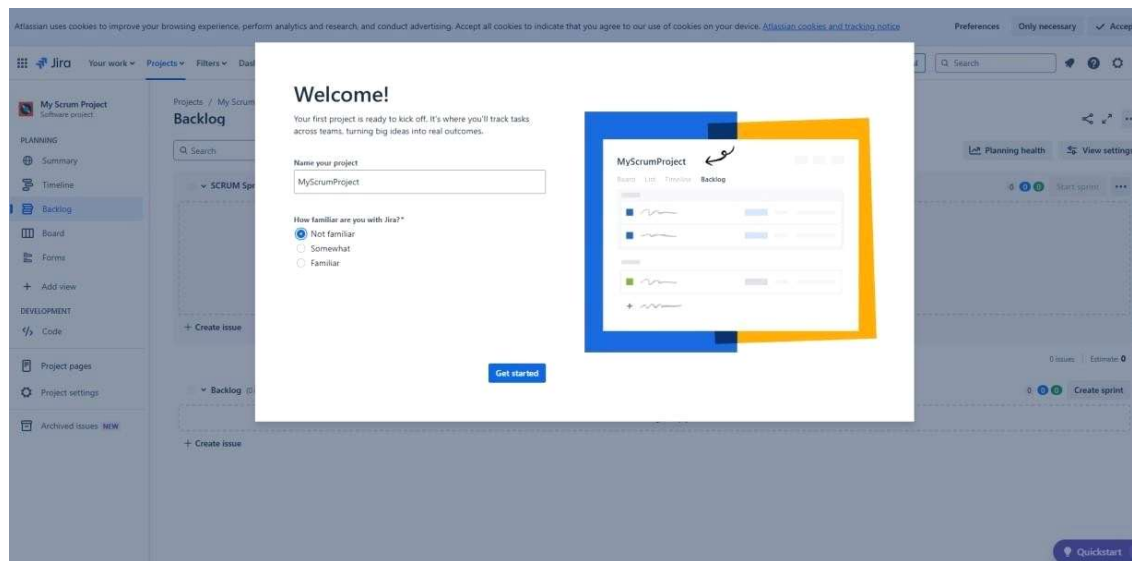
rithikashetty92@gmail.com|



Sign up

Or sign up with





MyScrumProject  
Software project

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

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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Summary

Timeline

Backlog

Board

Forms

Goals

Add view

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Code

Project pages

Project settings

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Projects / MyScrumProject

List

Search list

FS

Give feedback

Share

1 filter applied

Group

Format

More

☐

Type

#

Key

Summary

Status

Sprint

Assignee

Due date

☐

SCRUM-2

Issues without epic

TO DO

☐

SCRUM-3

EMAIL-1 Verify Email Functionality

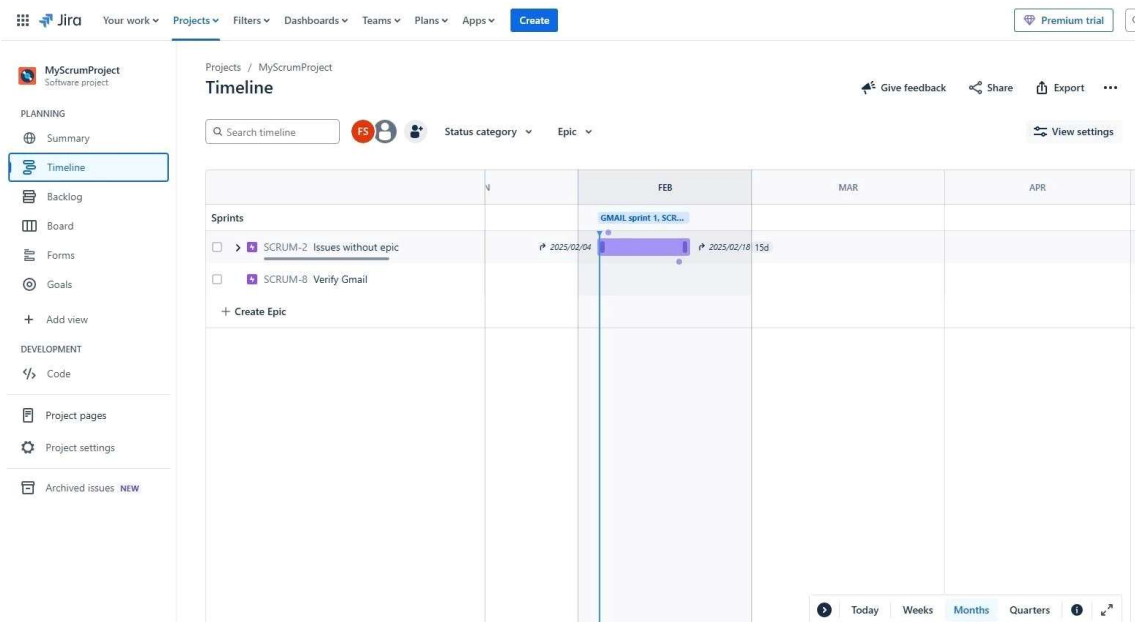
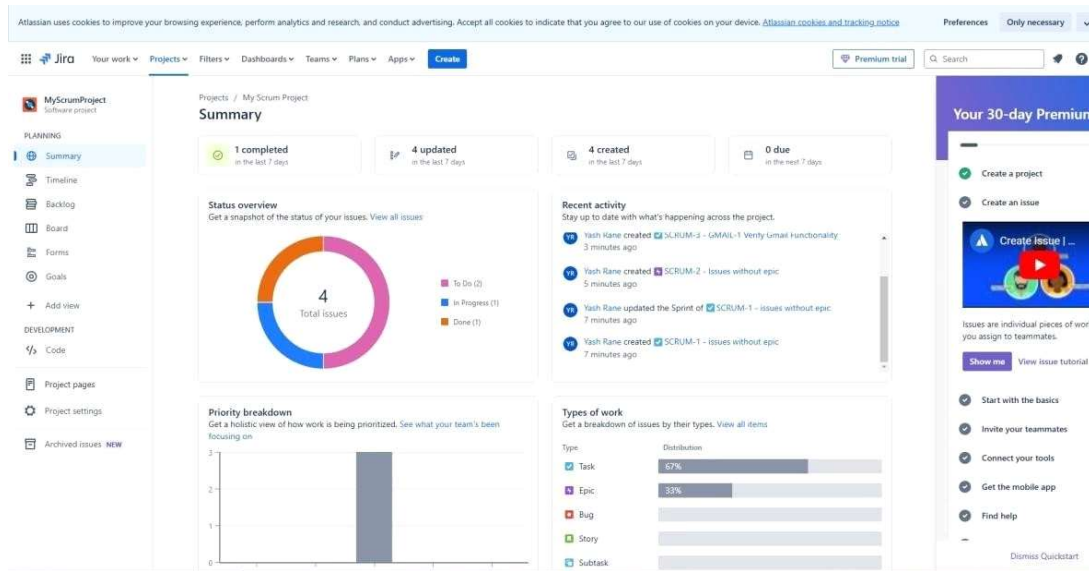
TO DO

+ Create

Nice one!

Marked "SCRUM-4" as Done

View issue



Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

Premium trial

MyScrumProject

Software project

PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

Add view

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Code

Project pages

Project settings

Archived issues NEW

Projects / MyScrumProject

All sprints

9 days ⚡ ⭐ 🔗 ↻ ⌵ Complete 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

7

Jira

Your work

▼

Projects

▼

Filters

▼

Dashboards

▼

Teams

▼

Plans

▼

Apps

▼

Create

MyScrumProject

Software project

PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

Add view

DEVELOPMENT

Code

Project pages

Project settings

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

8



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MyScrumProject Software project

PLANNING  
Summary  
Timeline  
Backlog  
Board  
Forms  
Goals  
DEVELOPMENT  
Code  
Project pages  
Archived issues NEW

Projects / MyScrumProject  
**Backlog**

Search VR Epic

Planning health View settings

SCRUM Sprint 1 Add dates (1 issue) Start sprint

SCRUM-1 issues without epic TO DO

+ Create issue

1 issue Estimate 0

Backlog (0 issues) Create sprint

Your backlog is empty.

+ Create issue

+ Create epic

Plan and prioritize large chunks of work.  
Create your first epic to start capturing and breaking down work for your team.

You're in a team-managed project  
Learn more

Your 30-day Premium

- Create a project
- Create an issue
- Create a project
- Issues are individual pieces of work that you assign to teammates
- Show me View issue
- Start with the basics
- Invite your team
- Connect your tools
- Get the mobile app
- Find help
- Discover what else is included
- Explore Premium features

Dismiss C

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PLANNING  
Summary  
Timeline  
Backlog  
Board  
Forms  
Goals  
DEVELOPMENT  
Code  
Project pages  
Archived issues NEW

Projects / MyScrumProject  
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Search VR Epic

Planning health View settings

SCRUM Sprint 1 Add dates (1 issue) Start sprint

SCRUM-1 issues without epic TO DO

+ Create issue

1 issue Estimate 0

Backlog (0 issues) Create sprint

Your backlog is empty.

+ Create issue

+ Create epic

Issues without epic

Issues without epic

No issues

Start date None

Due date None

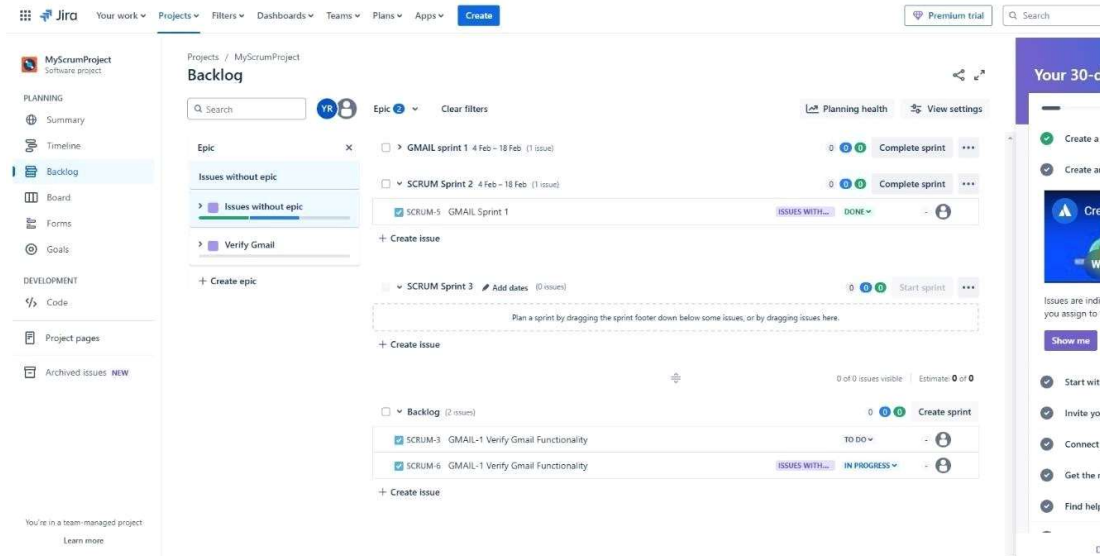
View all details

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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.