

Name: Vaishnavi Nagwekar

Batch : T13

Roll No: 66

## **EXPERIMENT NO : 06**

**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.



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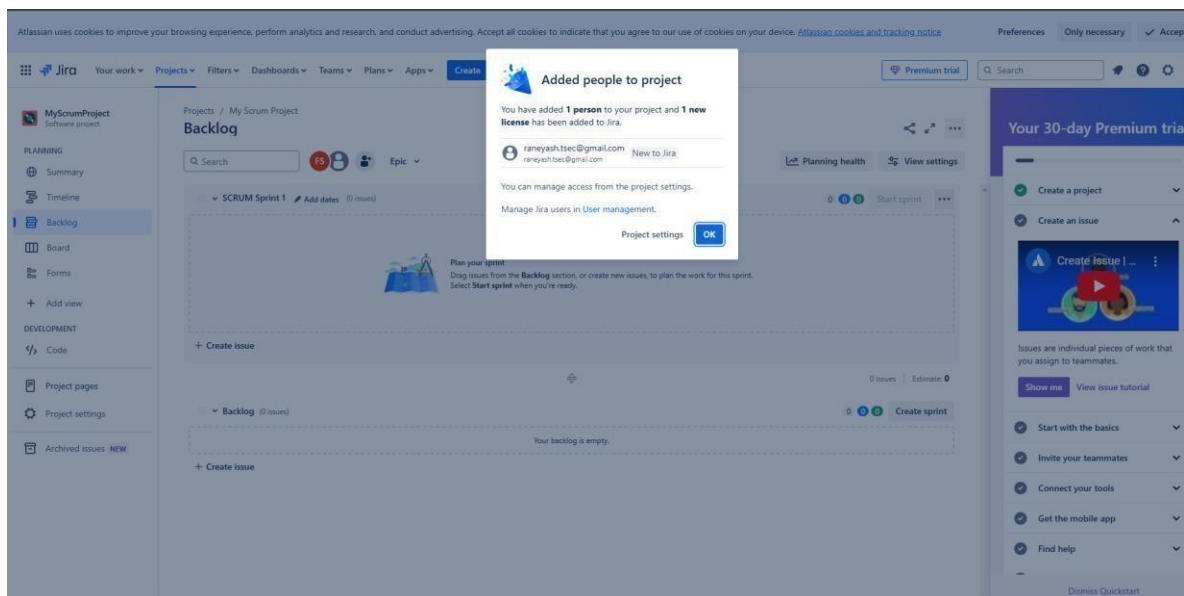
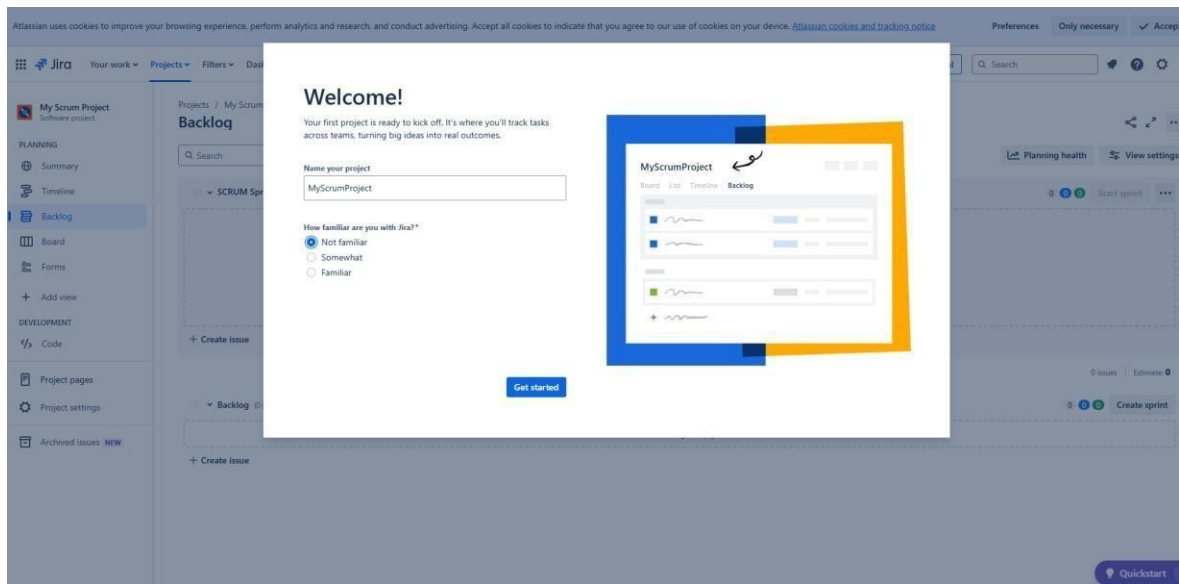
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Teams

Plans

Apps

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PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

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DEVELOPMENT

Code

Project pages

Project settings

Archived issues NEW

Projects / MyScrum 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

Jira

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Projects

Filters

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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

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List

Search list

FS

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1 filter applied

Group

Format

More

Type

#

Key

Summary

Status

Sprint

@

Assignee

Due date

SCRUM-2

Issues without epic

TO DO

SCRUM-3

GMAIL-1 Verify Gmail Functionality

TO DO

+ Create

Nice one!

Marked "SCRUM-4" as Done

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SummaryTimelineBacklogBoardFormsGoalsAdd view

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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.

15

Yash Rane created SCRUM-4 - Gmail-1 Verify Email functionality3 minutes ago

16

Yash Rane created SCRUM-2 - Issues without epic5 minutes ago

17

Yash Rane updated the Sprint of SCRUM-1 - issues without epic7 minutes ago

18

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

Type

Distribution

Task67%

Epic33%

Bug

Story

Subtask

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Create a project

Create an issue

Create issue J...

Issues are individual pieces of work that you assign to teammates.

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SummaryTimelineBacklogBoardFormsGoalsAdd view

DEVELOPMENT

CodeProject pagesProject settingsArchived issuesNEW

Projects / MyScrumProject

Timeline

Give feedbackShareExport

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View settings

Sprints

SCRUM-2 Issues without epic

2025/02/042025/02/1615d

SCRUM-8 Verify Gmail

Create Epic

TodayWeeksMonthsQuarters

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Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

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Software project

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All sprints

9 days

Complete sprint

Summary

Timeline

Backlog

Board

Forms

Goals

Add view

DEVELOPMENT

Code

Project pages

Project settings

Archived issues NEW

Q 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

MyScrumProject

Software project

Projects / MyScrumProject

Forms

Summary

Timeline

Backlog

Board

Forms

Goals

Add view

DEVELOPMENT

Code

Project pages

Project settings

Archived issues NEW

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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- Summary
- Timeline
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- Board
- Forms
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- Code

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Q Search

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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

Plan and prioritize large chunks of work.

Create your first epic to start capturing and breaking down work for your team.

+ Create epic

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Create a project

Create an issue

Create Issue | ...  
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Issues are individual pieces of work that you assign to teammates.

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- Summary
- Timeline
- Backlog
- Board
- Forms
- Goals

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Issues without epic

Issues without epic

No issues

Start date  
None

Due date  
None

View all details

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

+ Create epic

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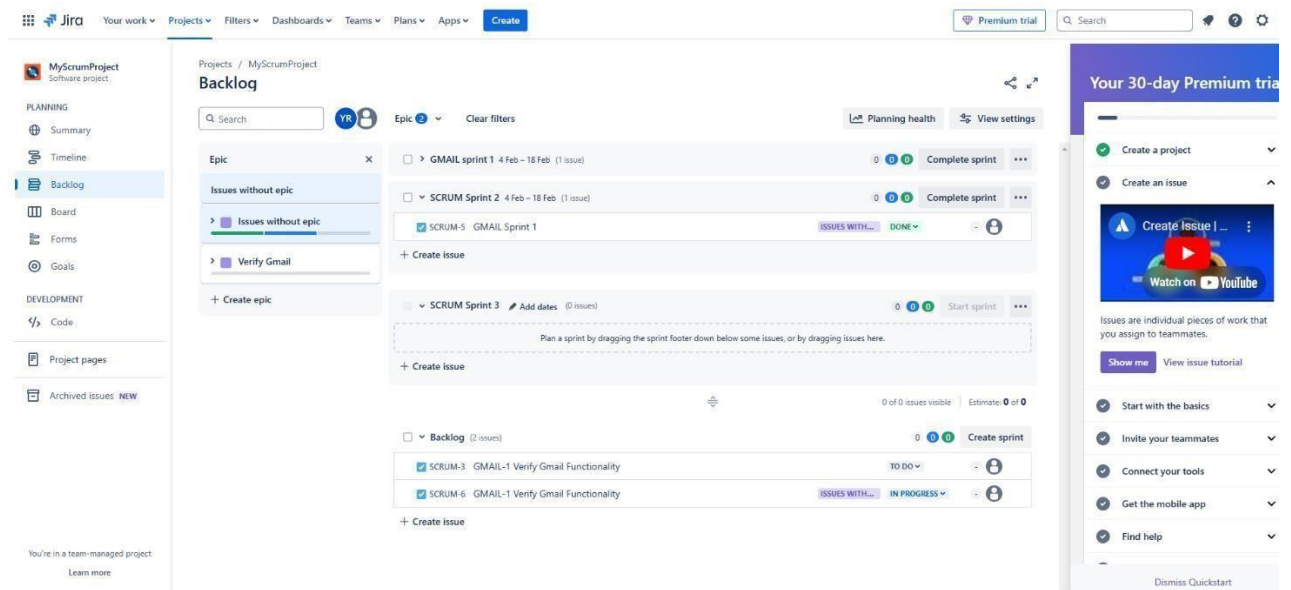
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**Conclusion:** Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.