

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.

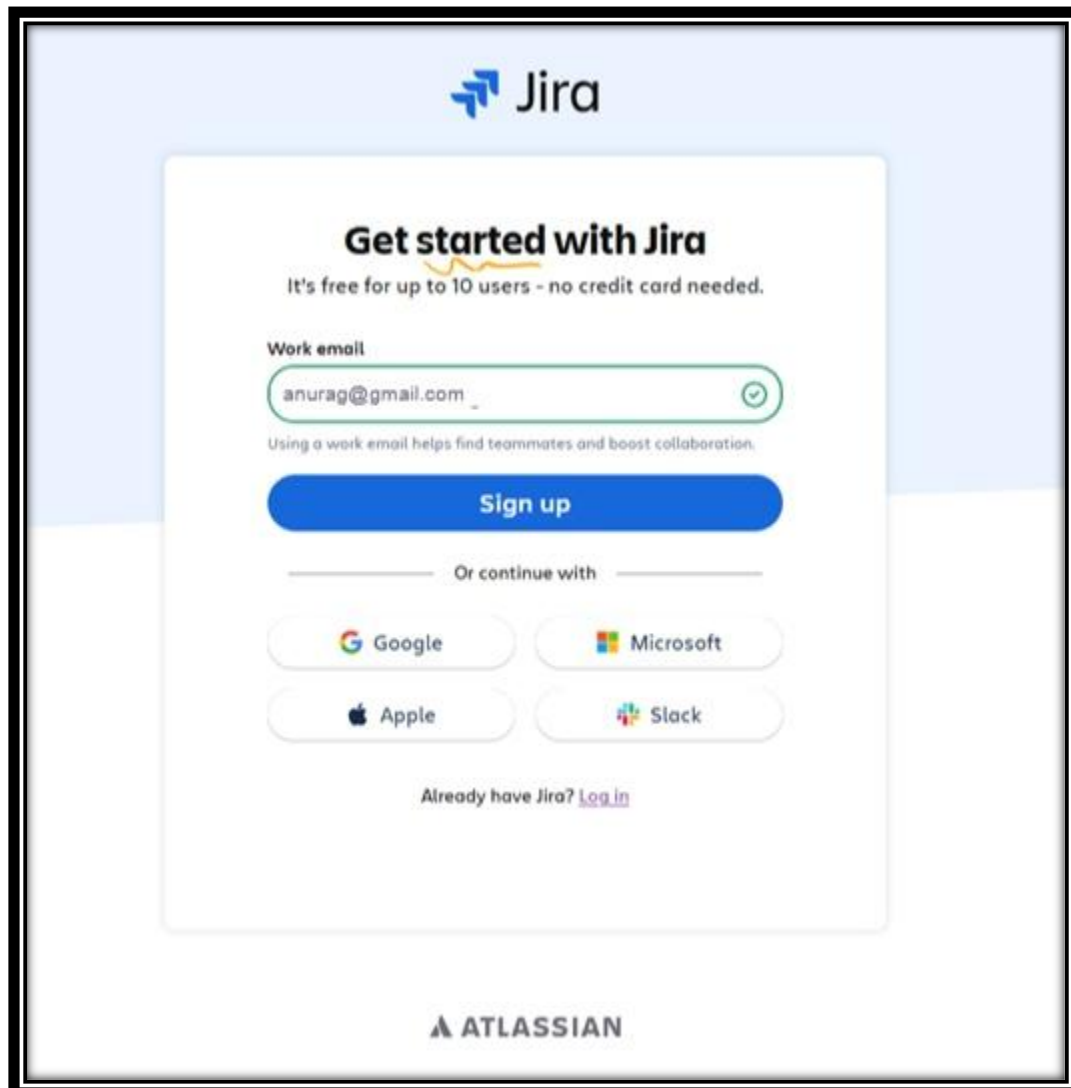
Integration:

JIRA integrates with a wide range of third-party tools and services, including development tools,

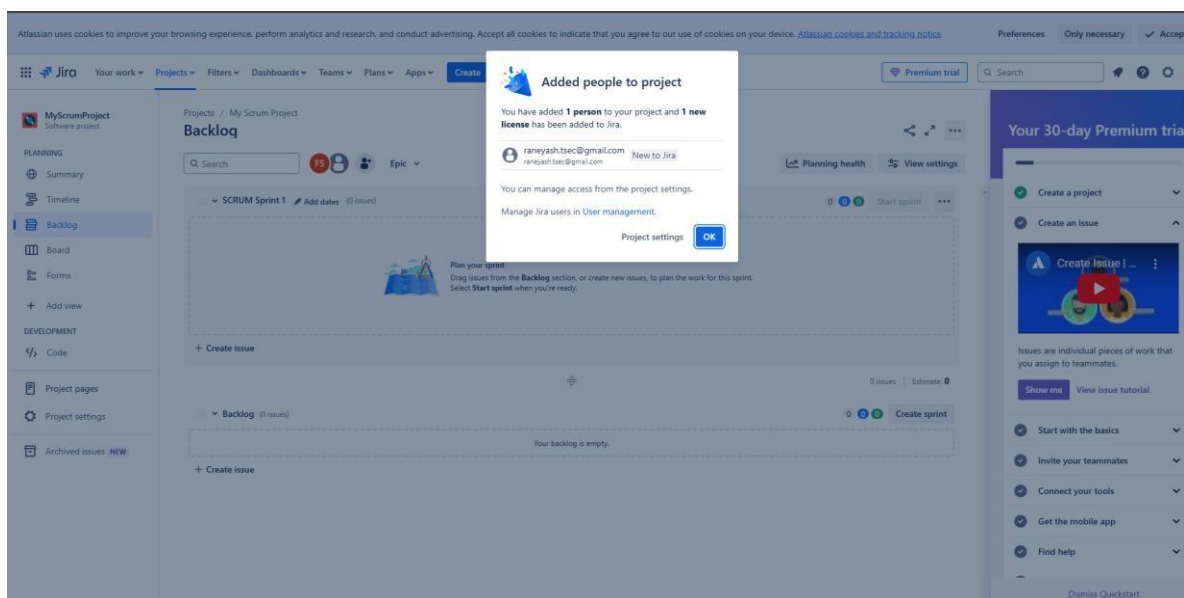
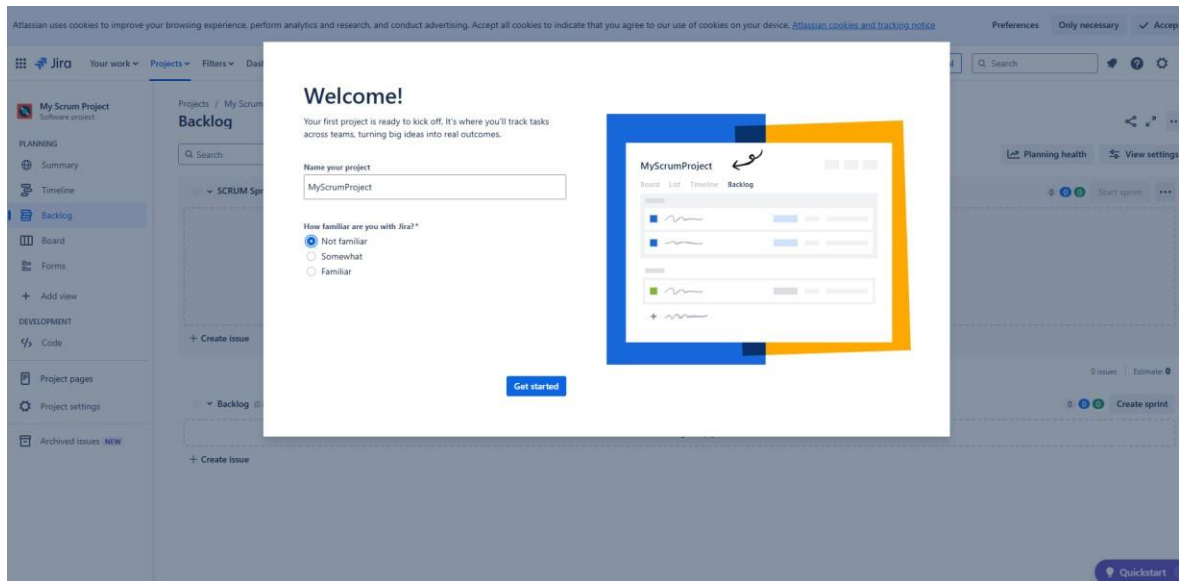
CI/CD pipelines, customer support systems, and more. This integration ecosystem enables teams to streamline their workflows and improve productivity.

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.



EXPERIMENT-6



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MyScrumProject Software project

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

1

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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List

Search list

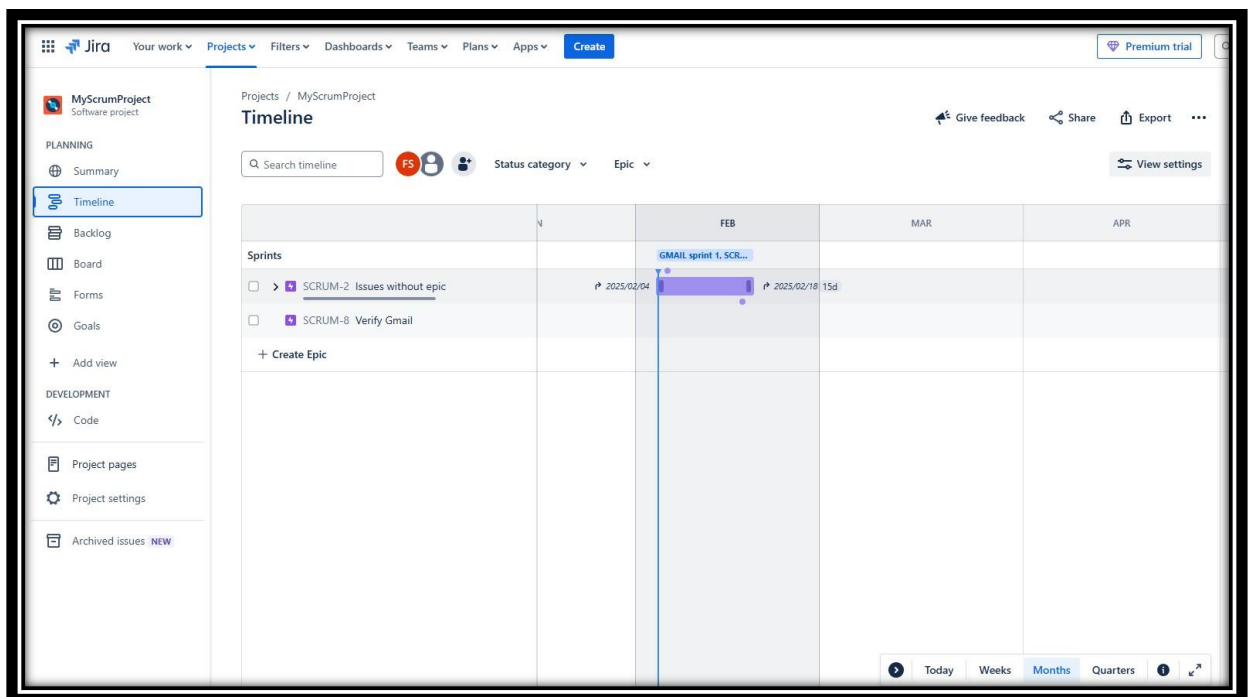
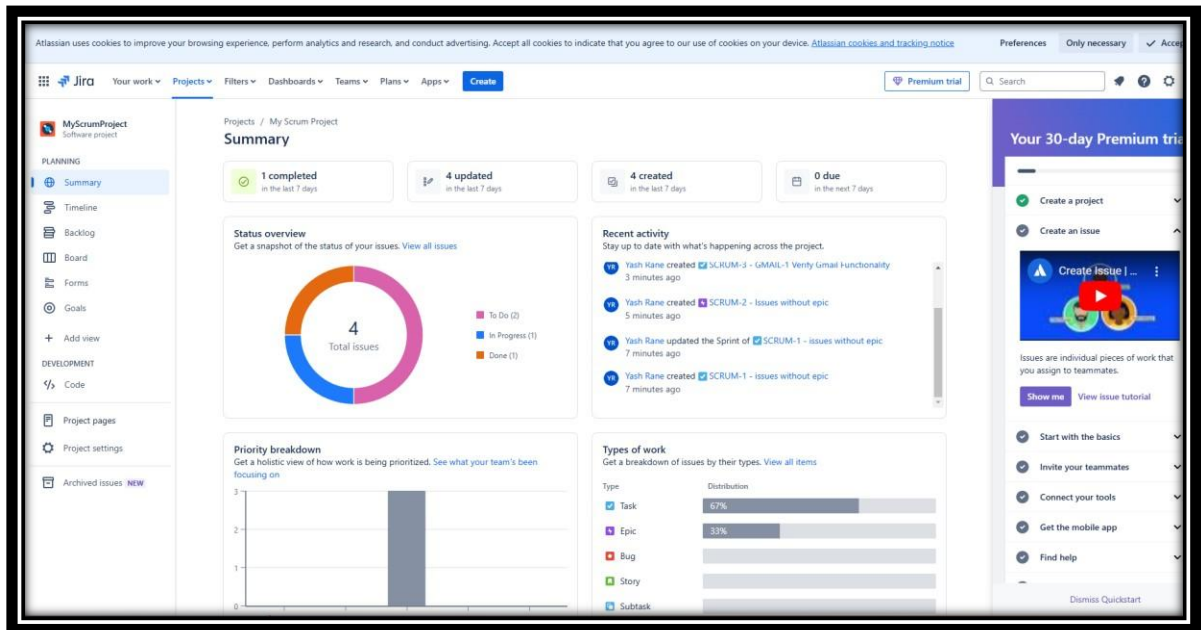
Share 1 filter applied Group Format More

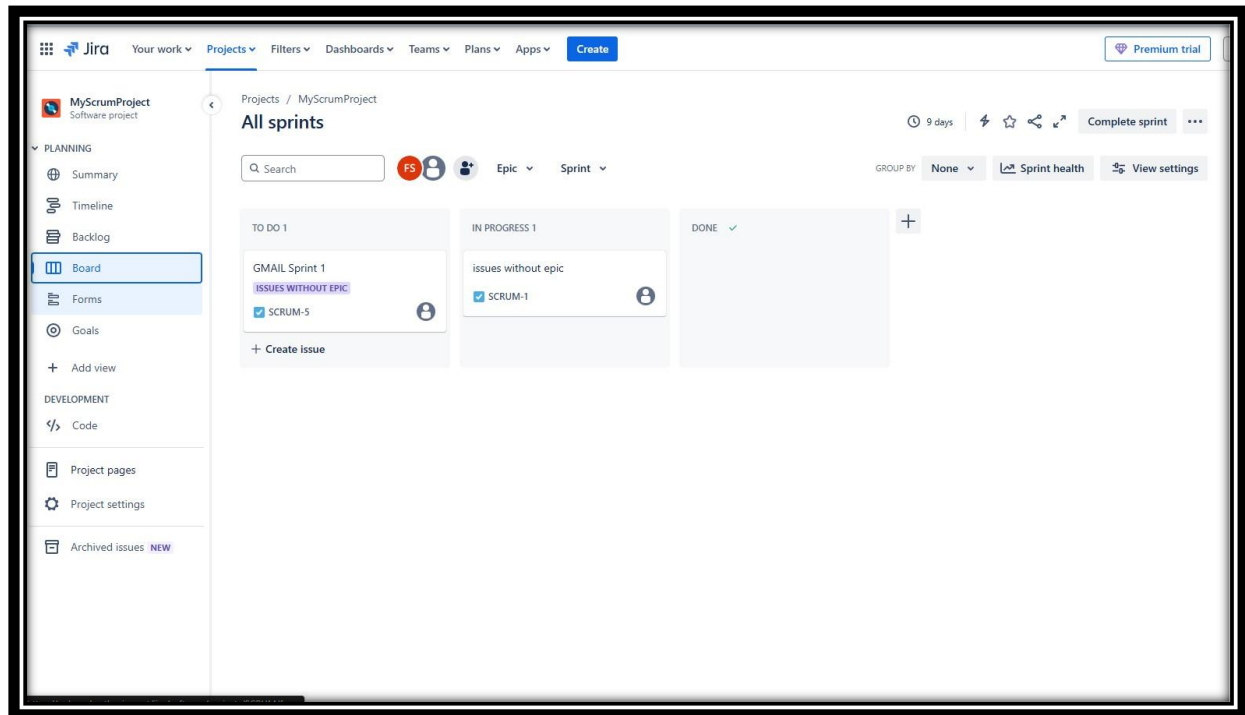
	Type	# Key	Summary	Status	Sprint	Assignee	Due date
<input type="checkbox"/>	Epic	SCRUM-2	Issues without epic	TO DO			
<input type="checkbox"/>	Task	SCRUM-3	EMAIL-1 Verify Email Functionality	TO DO			

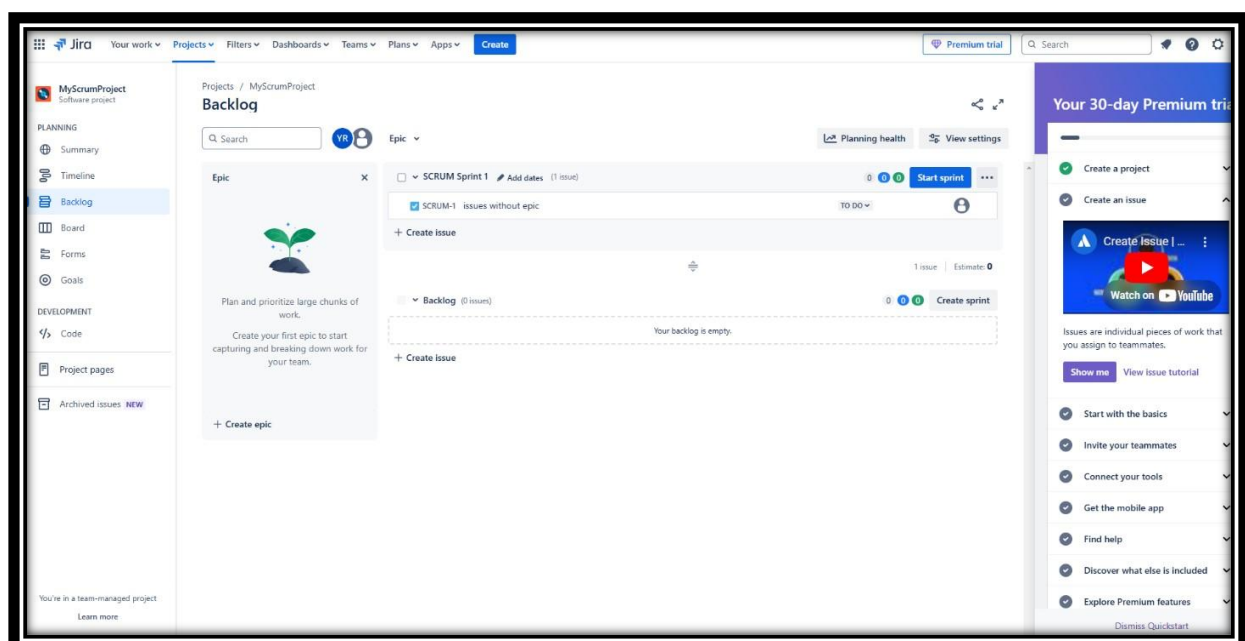
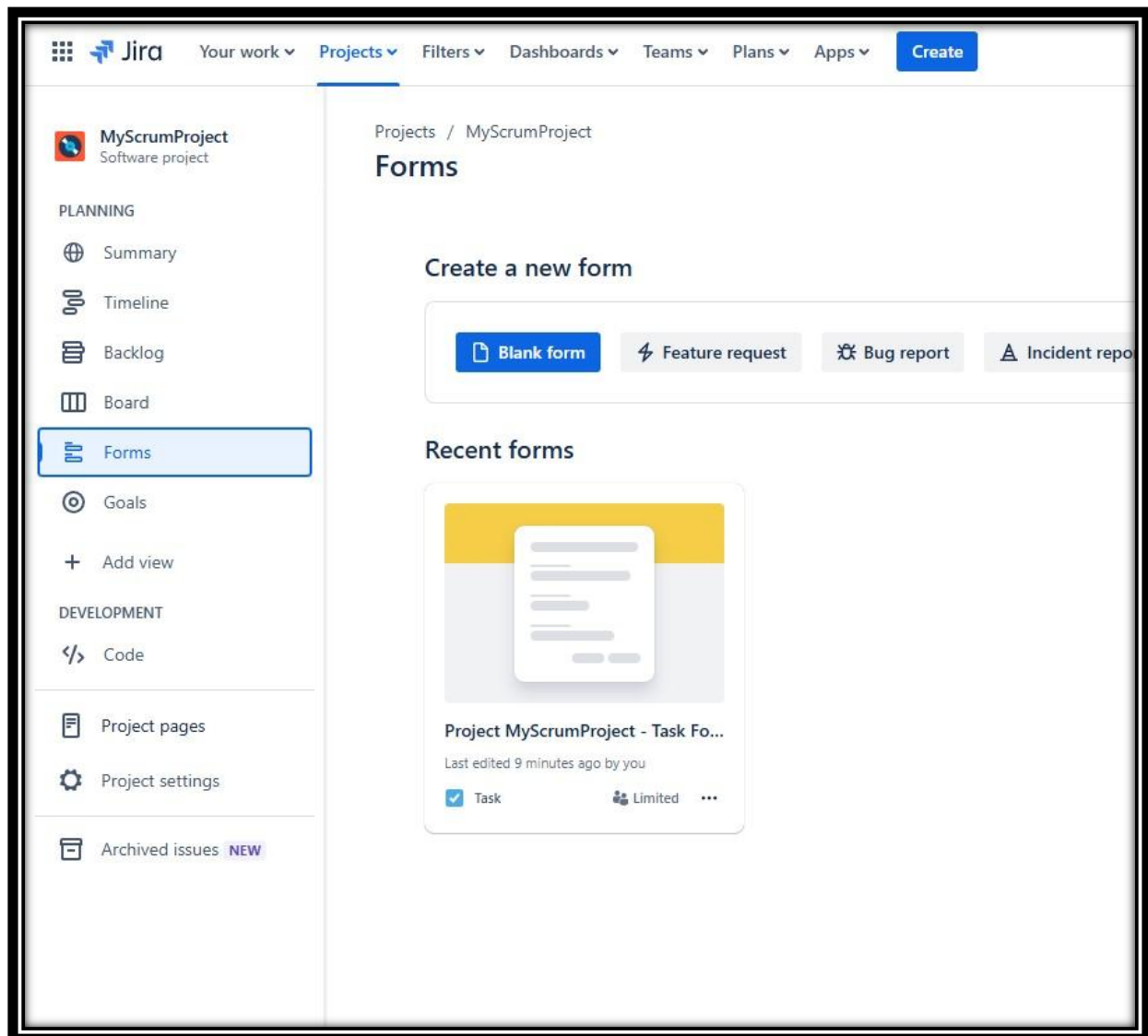
+ Create

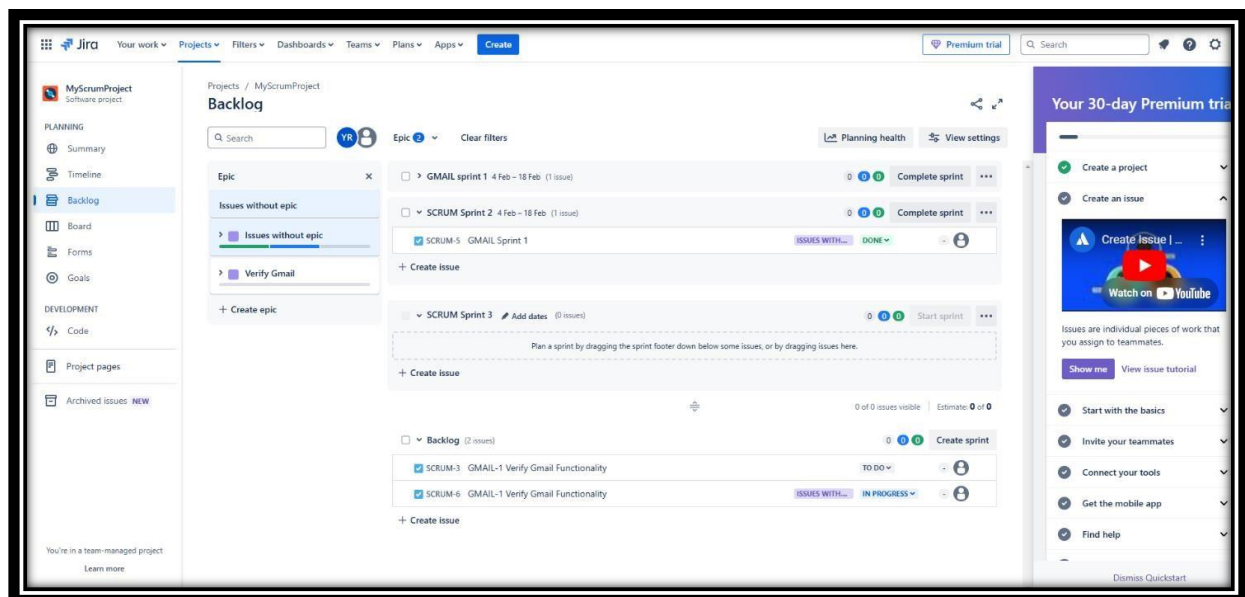
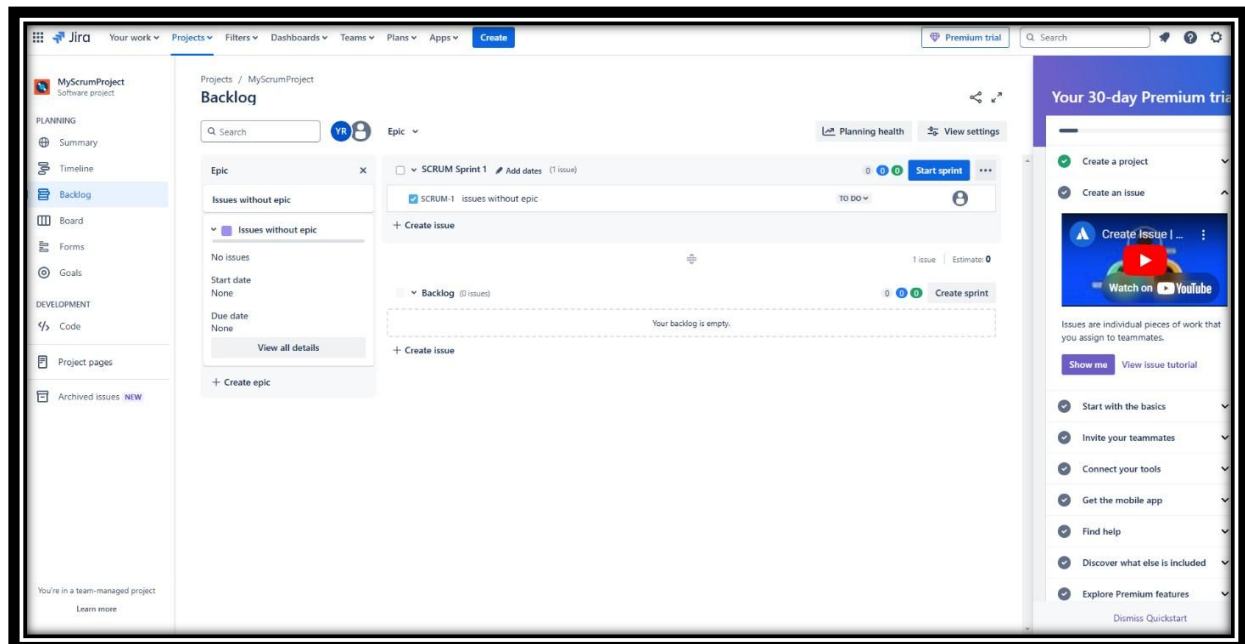
Nice one!
Marked "SCRUM-4" as Done
[View issue](#)

EXPERIMENT-6









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.