

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:

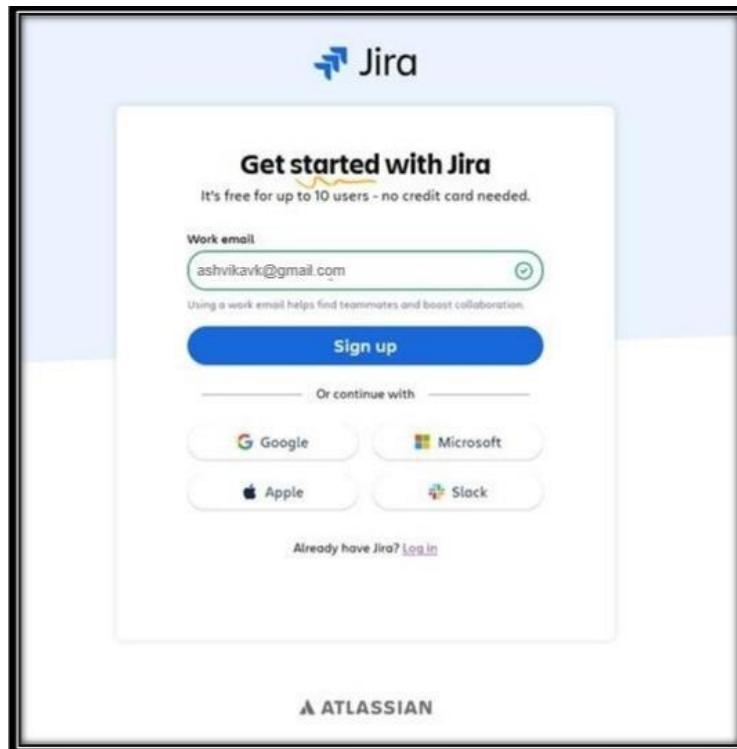
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

Integration:

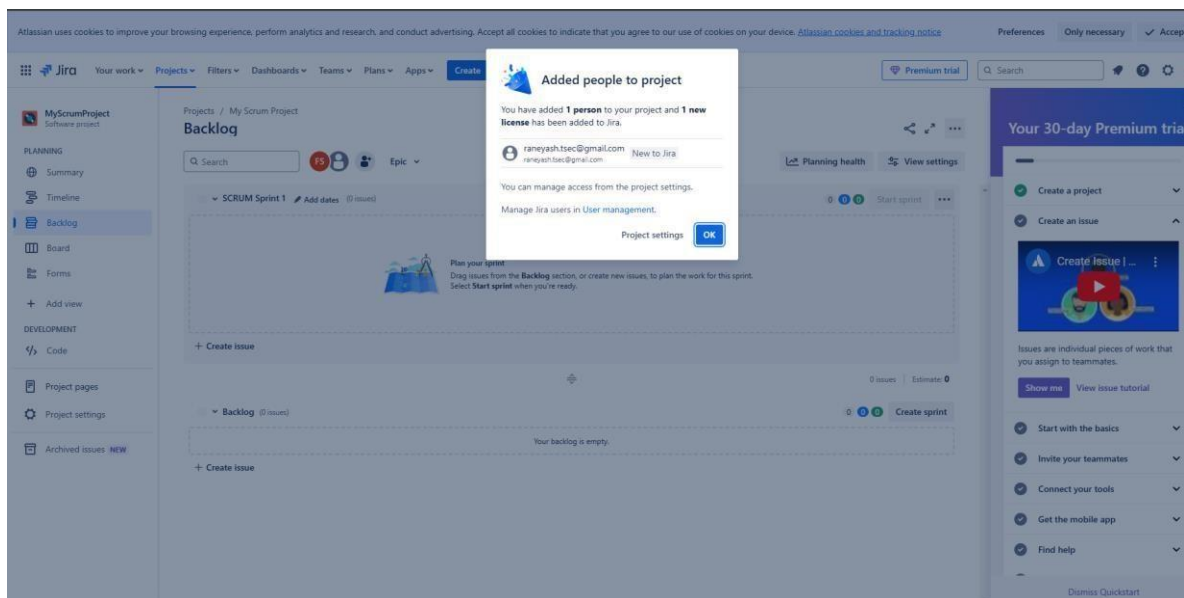
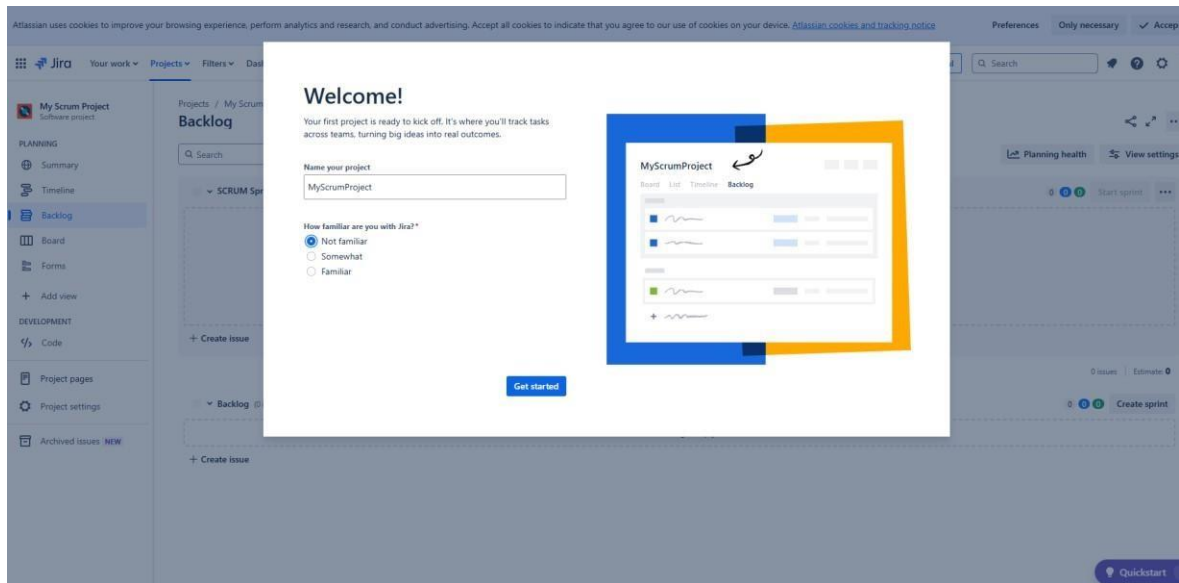
JIRA integrates with a wide range of third-party tools and services, including development tools, CI/CD pipelines, customer support systems, and more. This integration ecosystem enables teams to streamline their workflows and improve productivity.

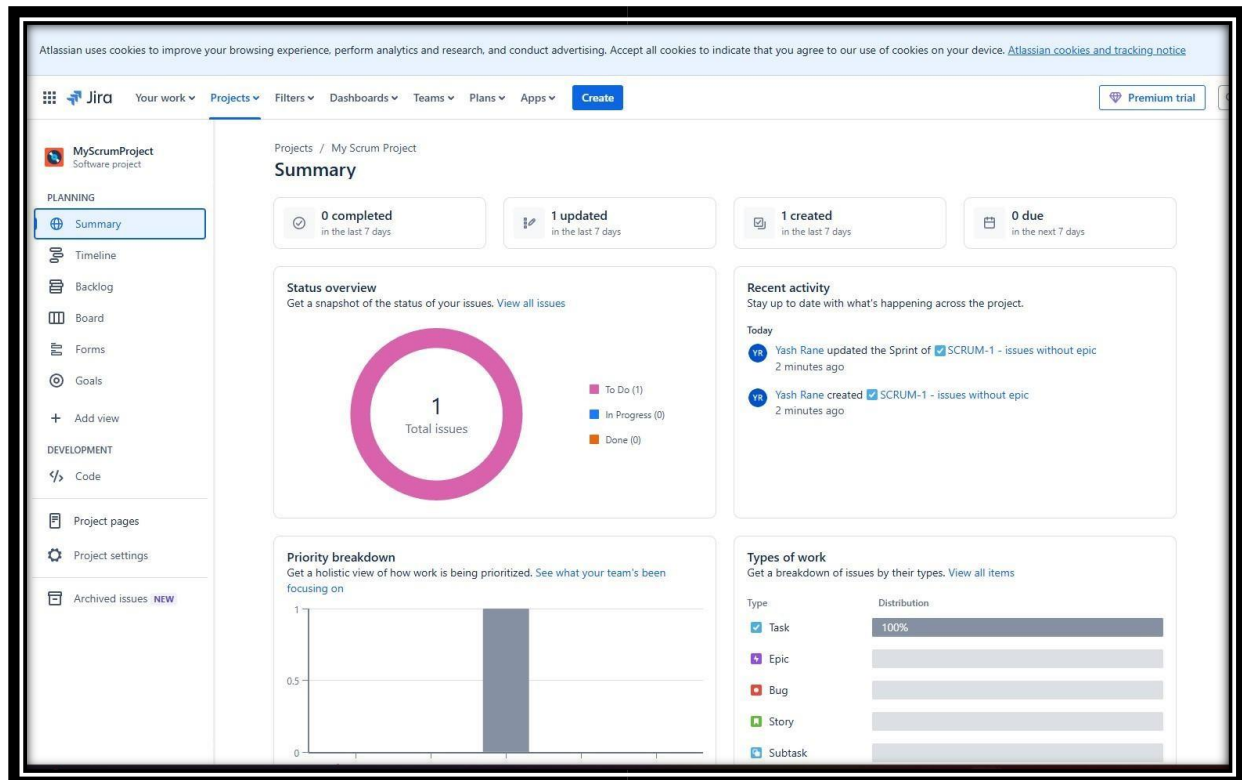
Scalability and Performance:

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.



EXPERIMENT-6

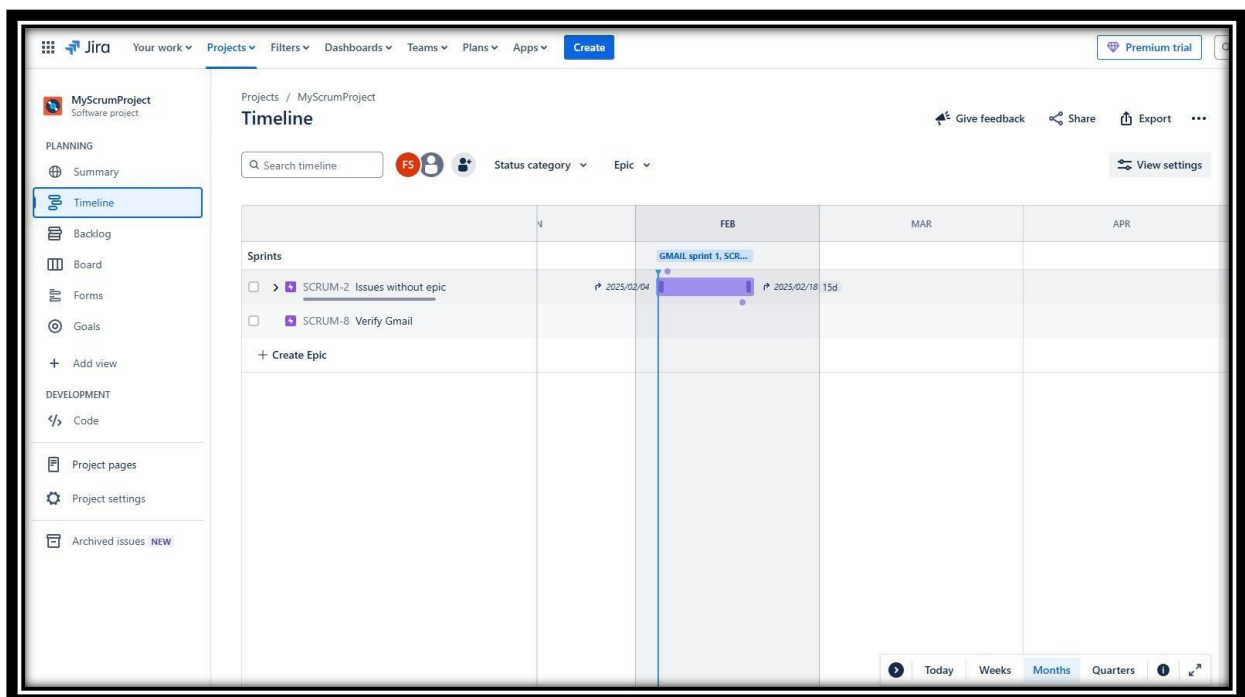
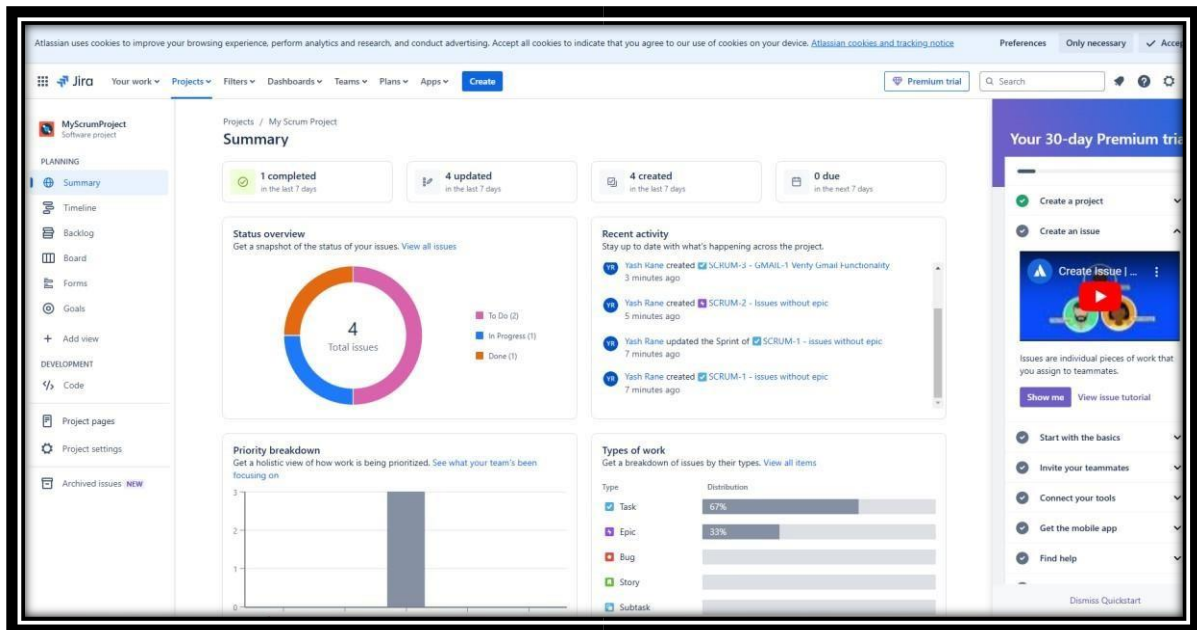


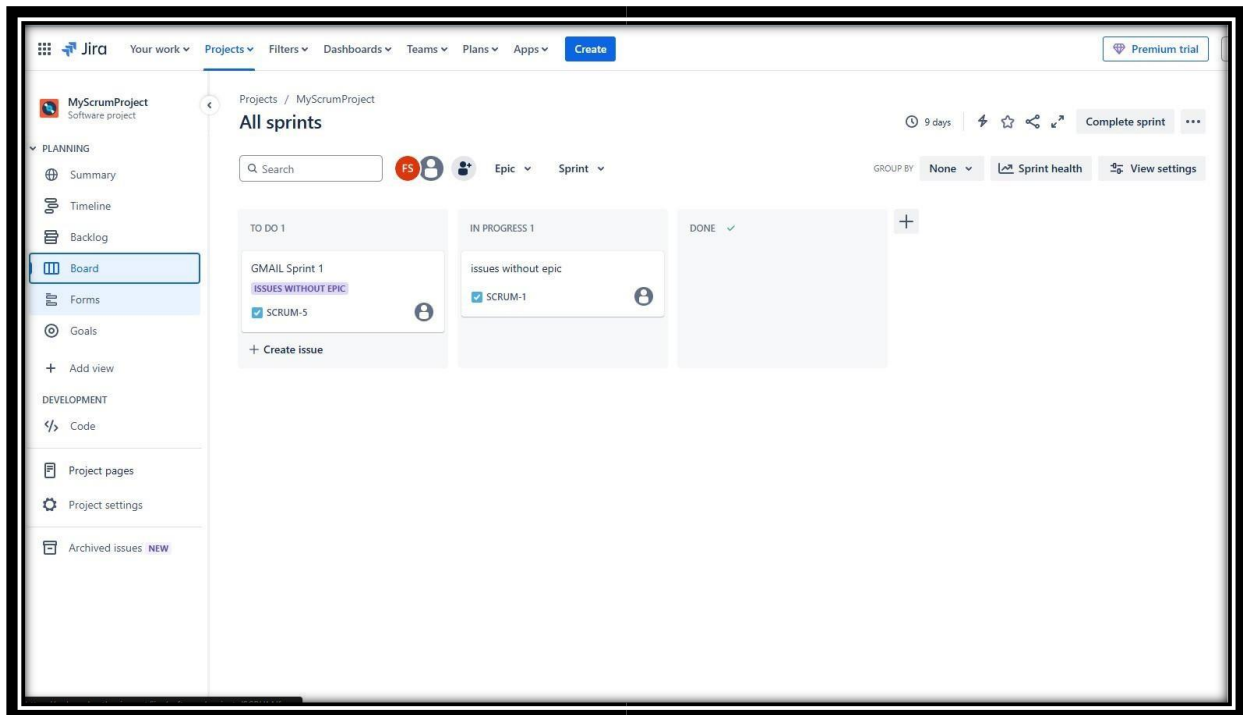


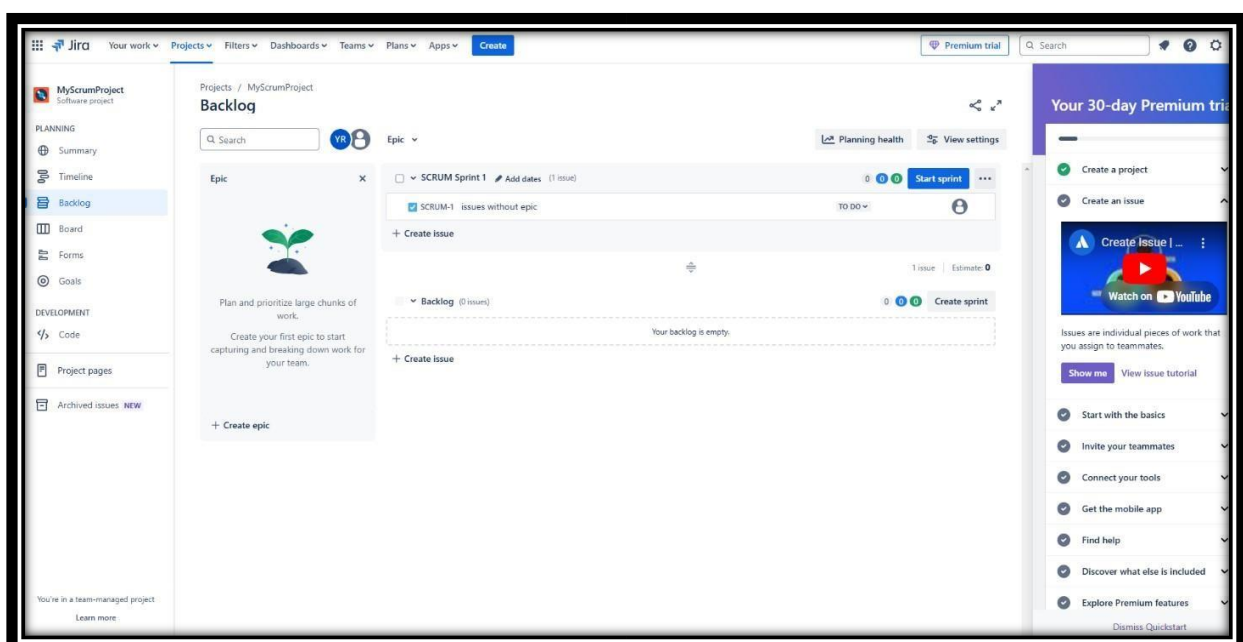
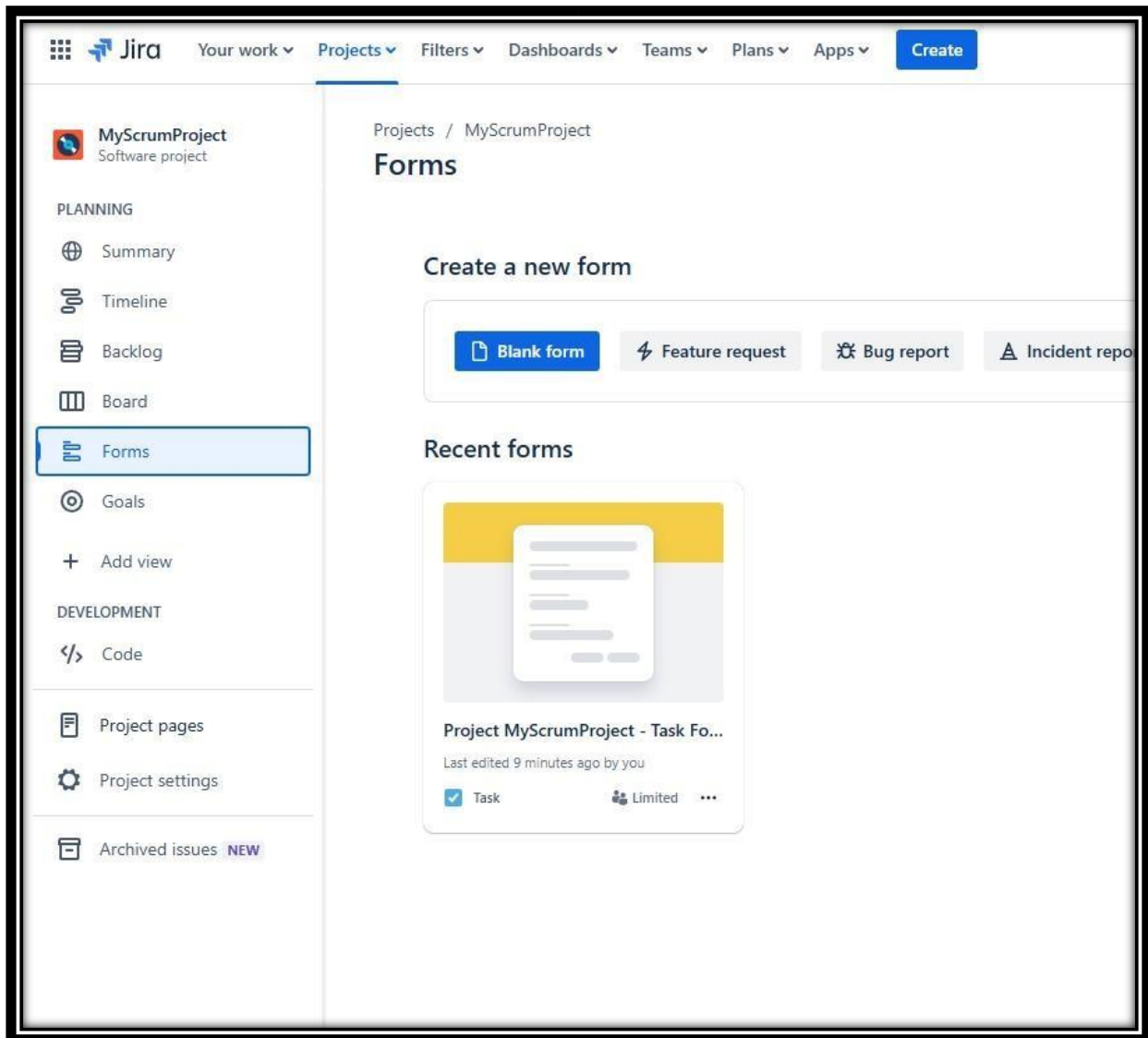
The Jira List view for 'MyScrumProject' displays a table of issues. The table has columns for Type, Key, Summary, Status, Sprint, Assignee, and Due date. The following table represents the data shown:

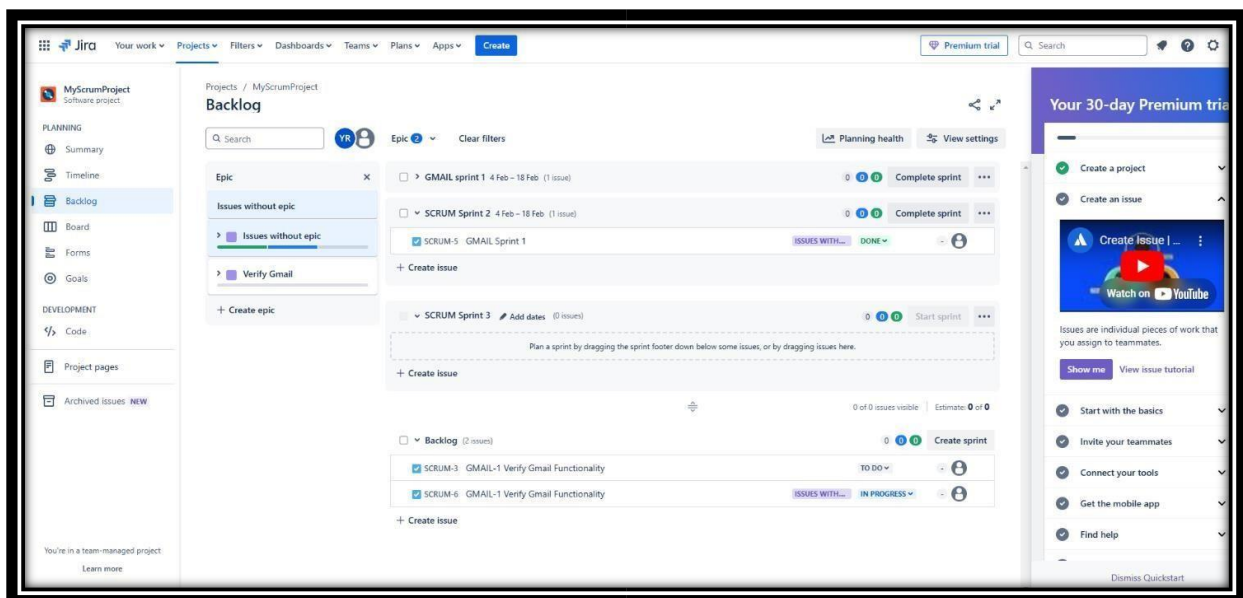
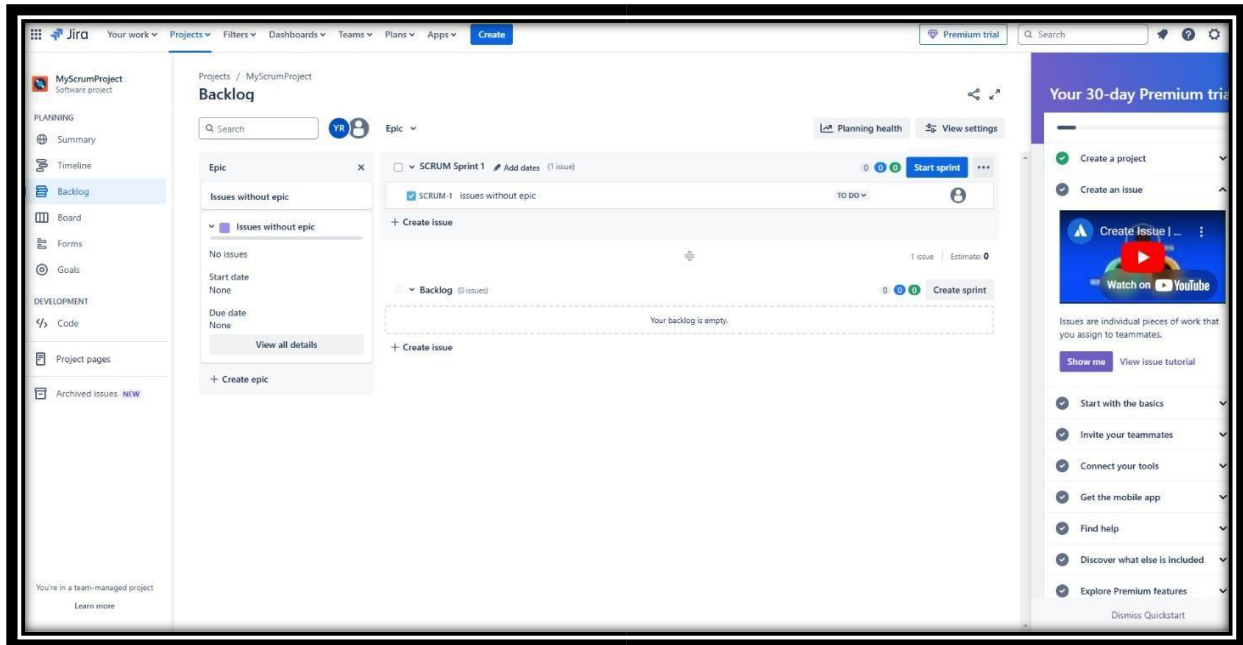
Type	Key	Summary	Status	Sprint	Assignee	Due date
Epic	SCRUM-2	Issues without epic	TO DO			
Task	SCRUM-3	EMAIL-1 Verify Email Functionality	TO DO			

A notification message is displayed at the bottom: 'Nice one! Marked "SCRUM-4" as Done. View issue'.









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.