

Experiment 06

Aim: To Study Agile Methodology and Test case Management using JIRA Tool

Theory:

Jira is a software development tool that helps team's 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 centralised platform for capturing, organising, and prioritising 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 emphasise 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 Bit bucket for seamless communication and knowledge sharing.

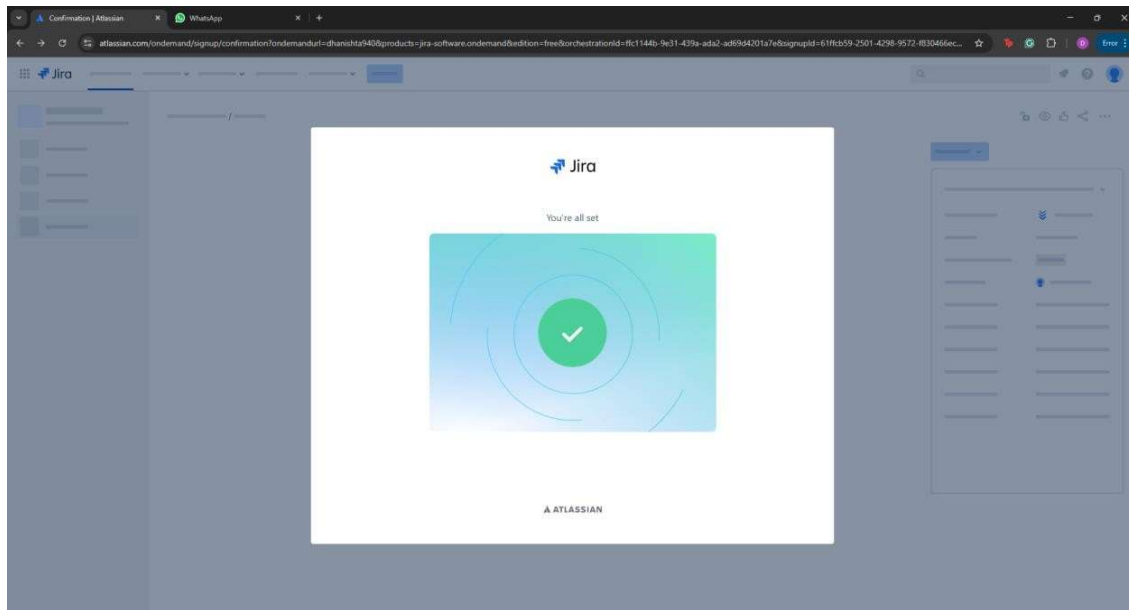
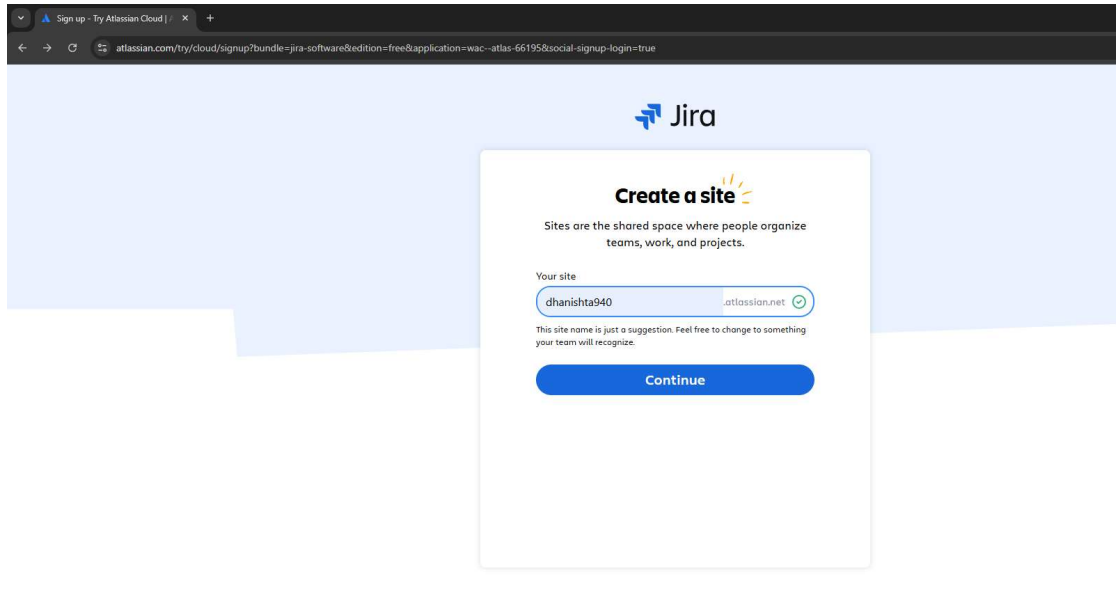
Reporting and Analytics: JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyse project data.

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 organisations. It can handle large volumes of data and users while maintaining performance and reliability.

Steps:

- Open atlassian.com, select JIRA and Login with the required Credentials






One moment, your site is starting up



Thanks for signing up! Our robots are working on your Atlassian Cloud site. This won't take more than a minute or two. You'll be taken there once it's ready.


Select a template for your first project

If you're not sure what to choose, don't worry. You can quickly create a new project if this one's not right for you.




KANBAN
A simple board to visualize your workflow.
A flexible and efficient way to manage agile work, with a board and timeline.
[POPULAR](#)

Atlassian Software



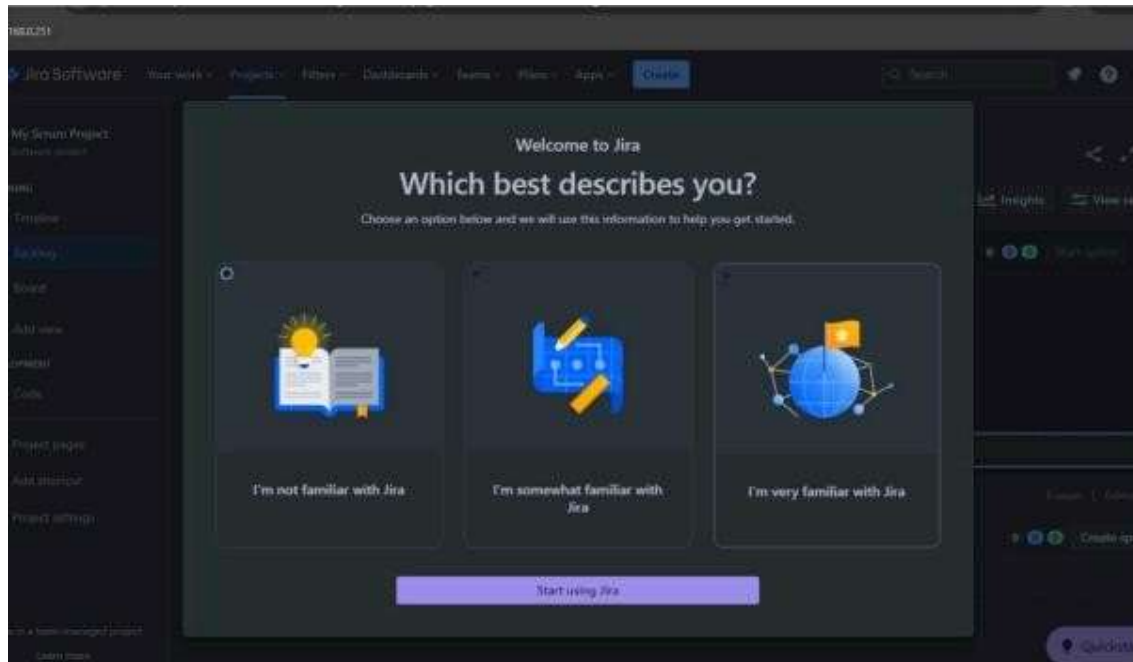
SCRUM
Deliver work in short, repeatable time blocks.
Plan, prioritize, and schedule work using agile sprints with a backlog, board and timeline.

Atlassian Software

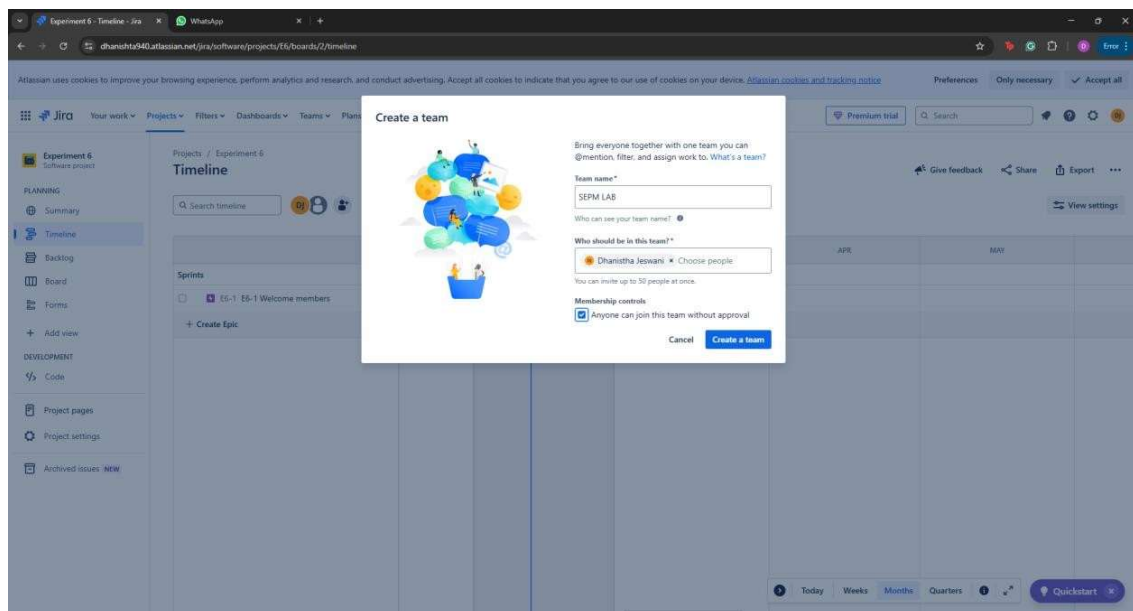


BUSINESS
Collaboration for business teams.
Designed to help your business team collaborate and connect, with list and calendar views, forms, and more.

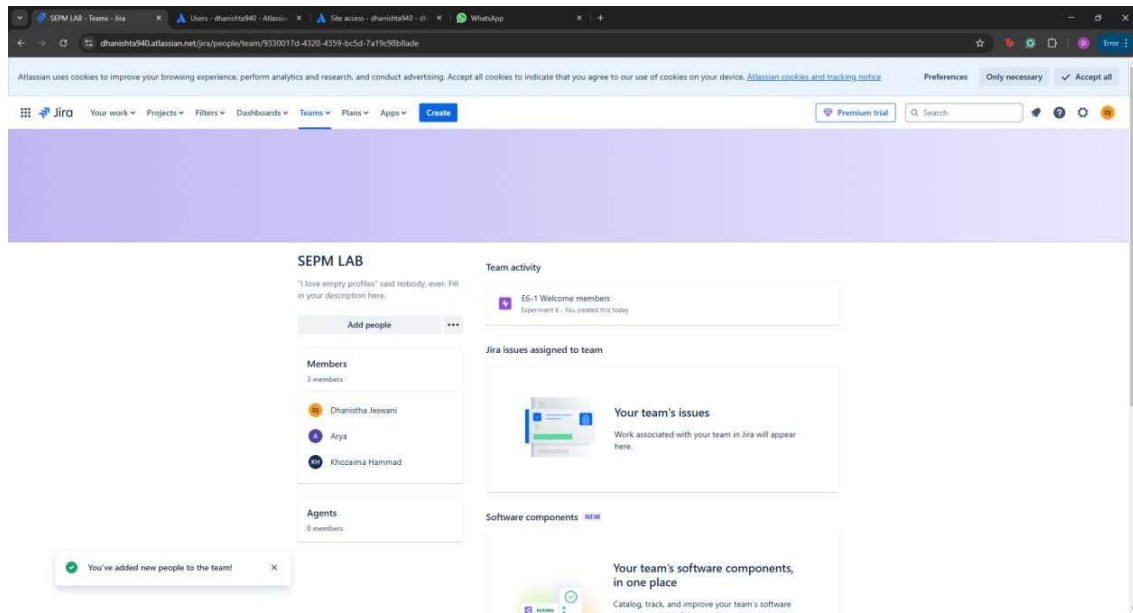
Atlassian Work Management



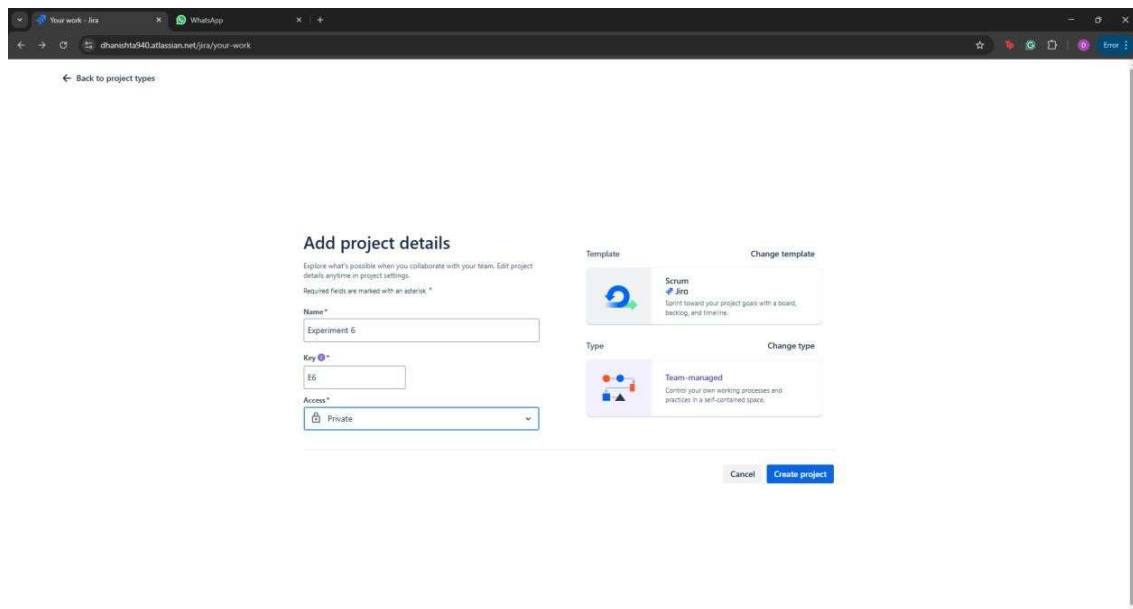
- Creating a team



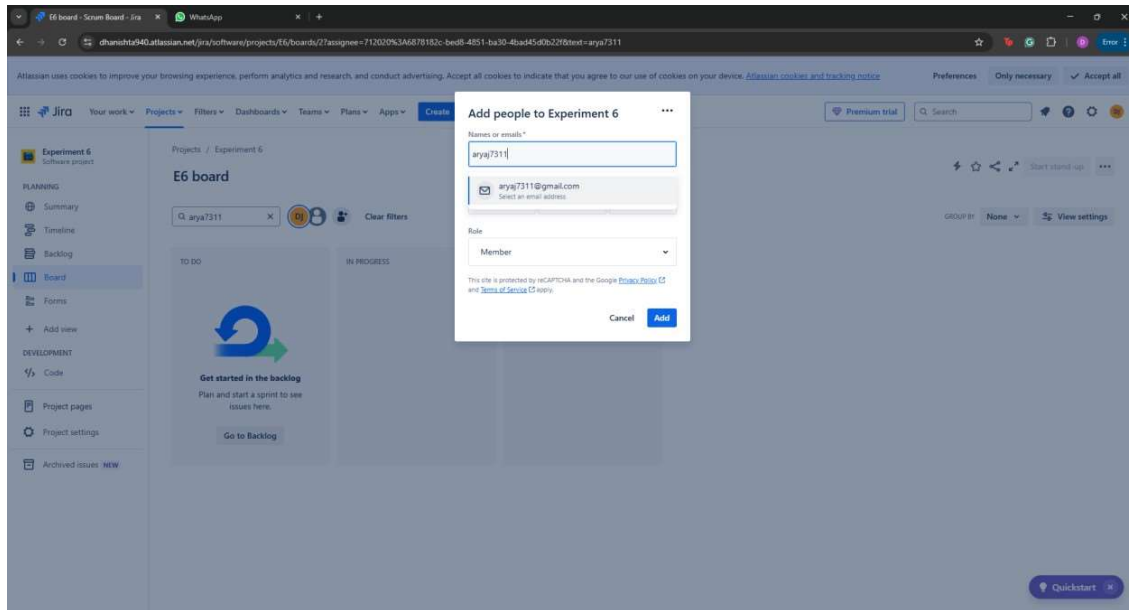
- Adding members to the team



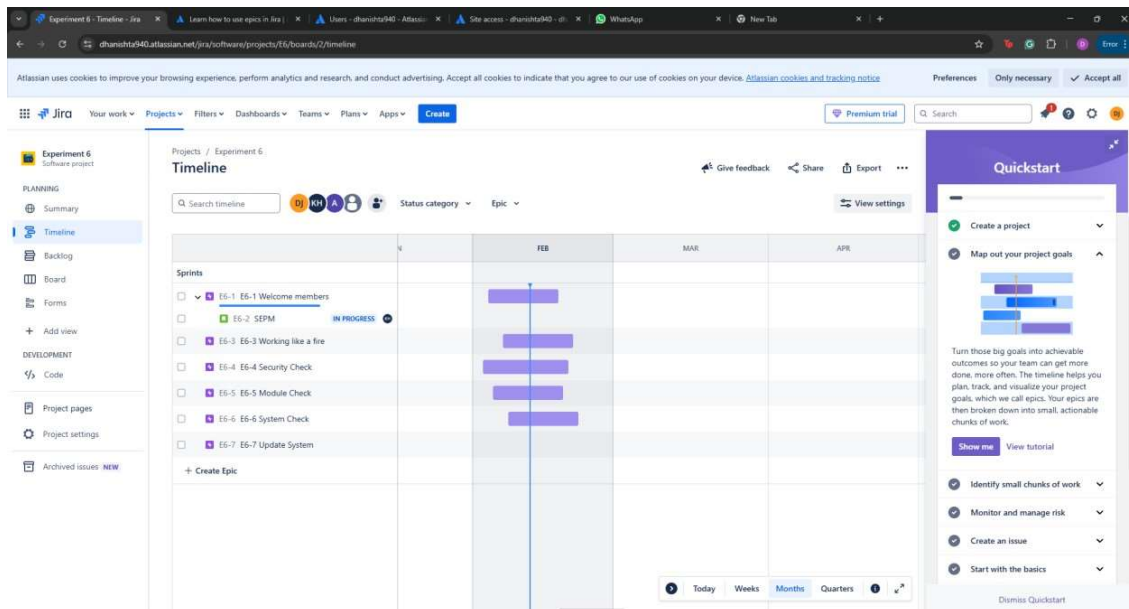
- Creating a project



- Adding people to the project



- Adding and assigning tasks



Experiment 6: Timeline - Jira

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Jira Your work Projects Filters Dashboards Teams Plans Apps Create

Experiment 6 Software project

PLANNING Summary

Timeline

Backlog Board Forms Add view

DEVELOPMENT Project pages Project settings Archived issues NEW

Timeline

Search timeline

Status category Epic

Sprints

- E6-1 E6-1 Welcome members
- E6-2 SEPM IN PROGRESS
- E6-3 E6-3 Working like a fire
- E6-4 E6-4 Security Check
- E6-5 E6-5 Module Check
- E6-6 E6-6 System Check
- E6-7 E6-7 Update System

+ Create Epic

Today Weeks Months Quarters

E6-3

Confluence content

Project plan TRY TEMPLATE

Pinned fields

Click on the next to a field label to start pinning.

Details

Assignee

Labels

Parent

Team

Start date

Due date Feb 20, 2025

Development

Create branch

Create commit

Reporter Khazama Hammad

Quickstart

Create a project

Map out your project goals

Turn those big goals into achievable outcomes so your team can get more done, more often. The timeline helps you plan, track, and visualize your project goals, which we call epics. Your epics are then broken down into small, actionable chunks of work.

Show me View tutorial

Identify small chunks of work

Monitor and manage risk

Create an issue

Start with the basics

Dismiss Quickstart

- Task completion

Experiment 6: Timeline - Jira

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Search timeline

Status category Epic Clear filters

Sprints

- E6-1 E6-1 Welcome members DONE

+ Create Epic

Today Weeks Months Quarters

E6-1

E6-1 Welcome members

+ Add @ Apps

Done Done Actions

Improve issue

Description

Add a description...

Confluence content

Project plan TRY TEMPLATE

Pinned fields

Click on the next to a field label to start pinning.

Details

Assignee Dhanisha Ieswari

Quickstart

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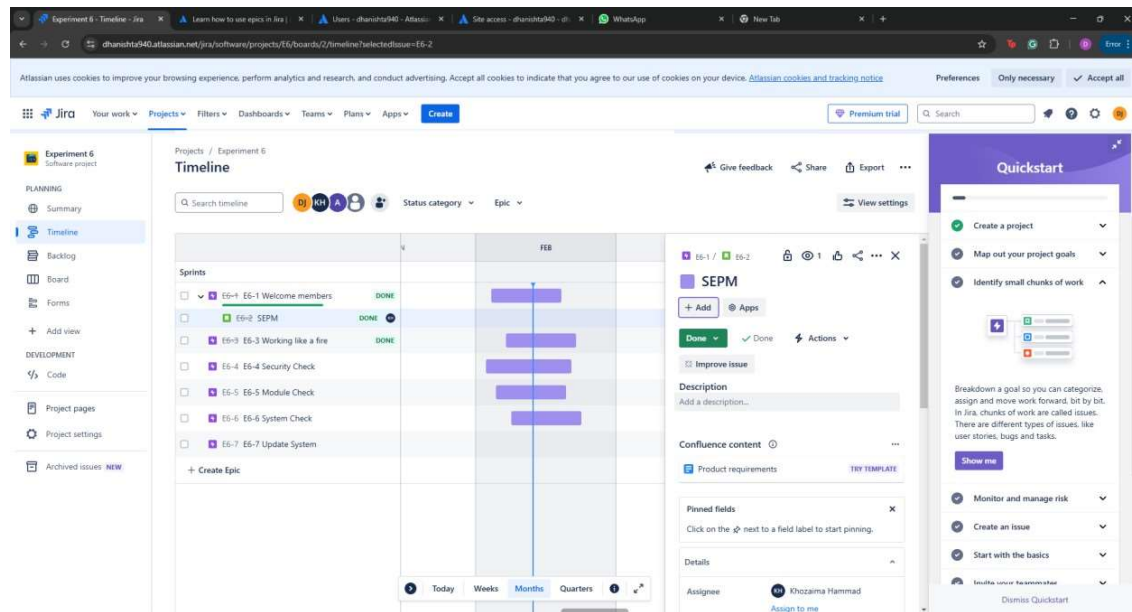
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Conclusion: Hence, we have successfully implemented Agile Methodologies in JIRA.