

Experiment 6

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T12-40

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 Bitbucket for seamless communication and knowledge sharing.

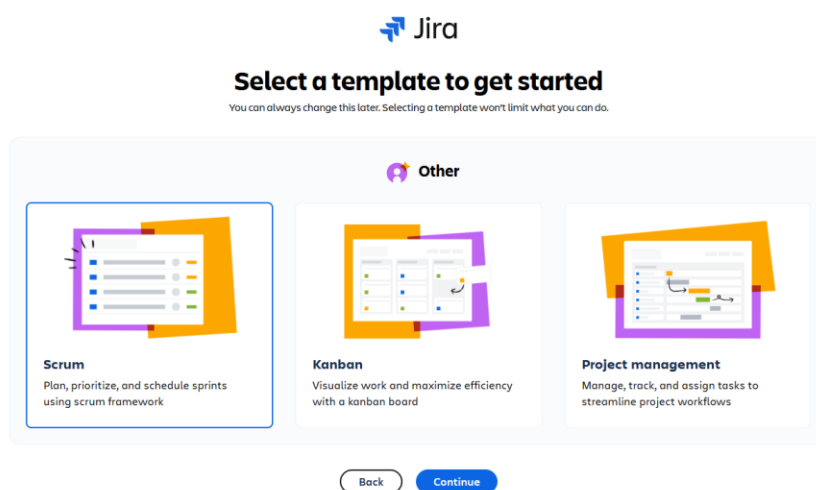
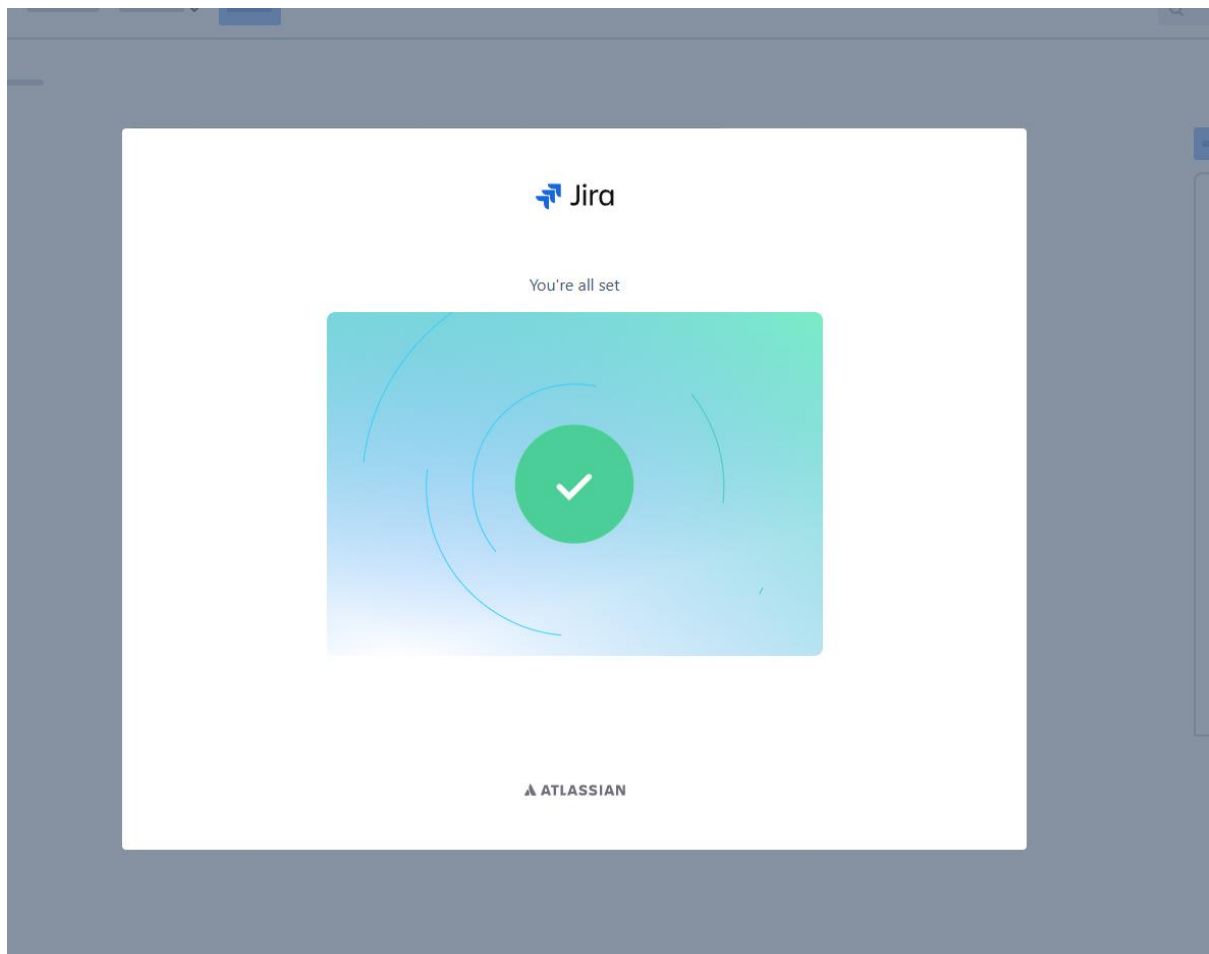
Reporting and Analytics: JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics.

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:



Jira Your work Projects Filters Dashboards Teams Plans Apps Create Premium trial

Experiment 6 Software project

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

Projects / Experiment 6 Backlog

Search +2 Epic Insights View settings

E6 Sprint 1 Add dates 0 issues 0 0 0 Start sprint

Plan your sprint
Drag issues from the Backlog section, or create new issues, to plan the work for this sprint.
Select Start sprint when you're ready.

+ Create issue

E6 Sprint 2 Add dates 0 issues 0 0 0 Start sprint

Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.

+ Create issue

Backlog 2 issues 0 0 0 Create sprint

E6-8 workload E6-1 WELCOME MEMBE... TO DO

E6-2 SEPM E6-1 WELCOME MEMBE... IN PROGRESS

+ Create issue

You're in a team-managed project

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

Projects / Experiment 6 Timeline

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Sprints

E6-1 E6-1 Welcome members

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

Quickstart

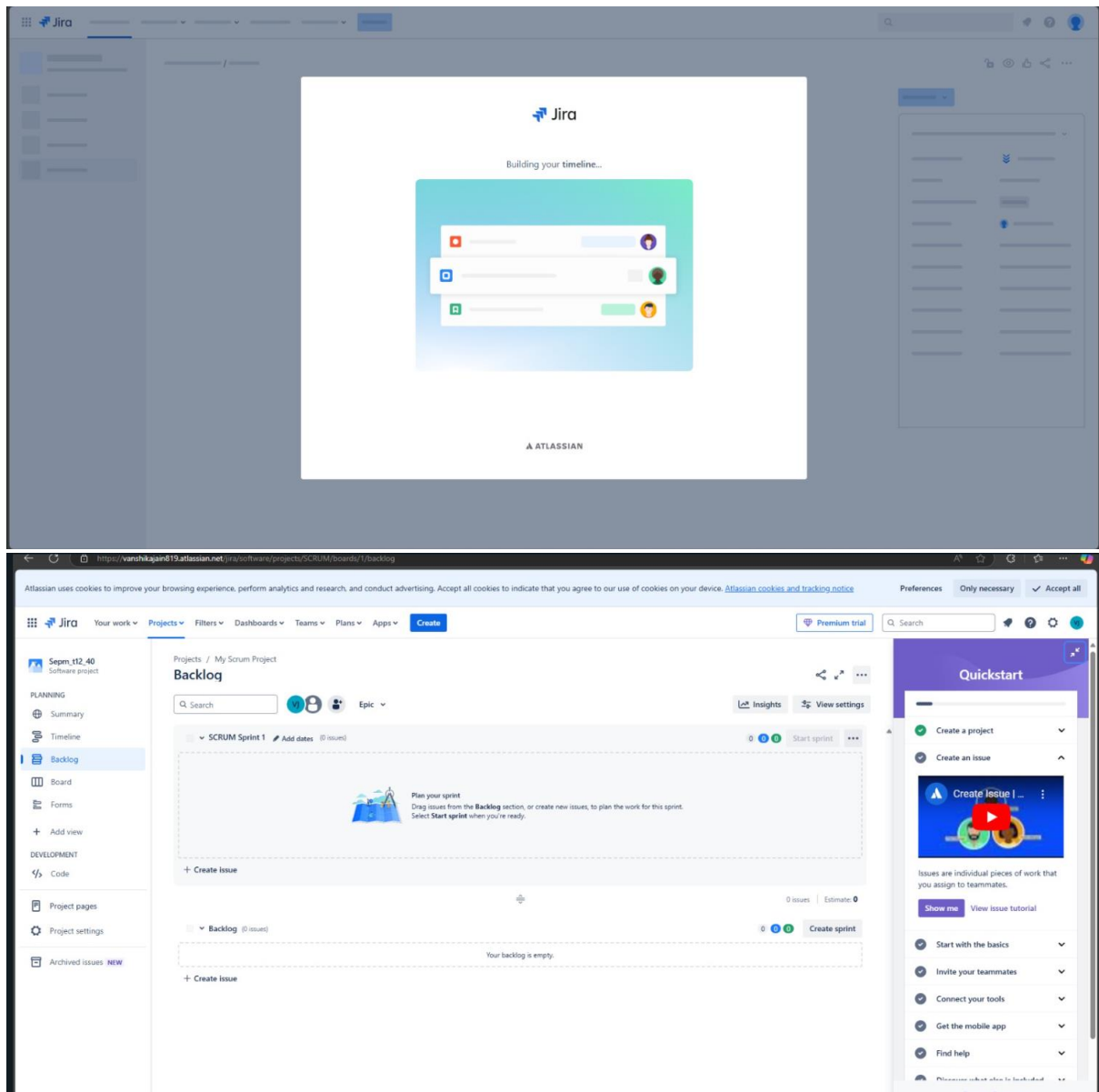
- Create a project
- Map out your project goals
- Identify small chunks of work
- Monitor and manage risk
- Create an issue

Create Issue

Snipping tool

Screenshot copied to clipboard
Automatically saved to screenshots folder.

You're in a team-managed project



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