Experiment 6

Khozaima Hammad
T12-34

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. 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:

Jira

Create a site

Sites are the shared space where people organize teams, work, and projects.

Your site

khozaimahammad   .atlassian.net ⚠

This site is already taken.

This site name is just a suggestion. Feel free to change to something your team will recognize.

Continue

ATLASSIAN

Jira

What kind of work do you do?

This helps us suggest templates that help your team do their best work.

Software development	Product management
Marketing	Design
Project management	Operations
IT support	Human resources
Customer service	Legal
Finance	Sales
Data science	Other

Jira

Select a template to get started

You can always change this later. Selecting a template won't limit what you can do.

Other

Scrum
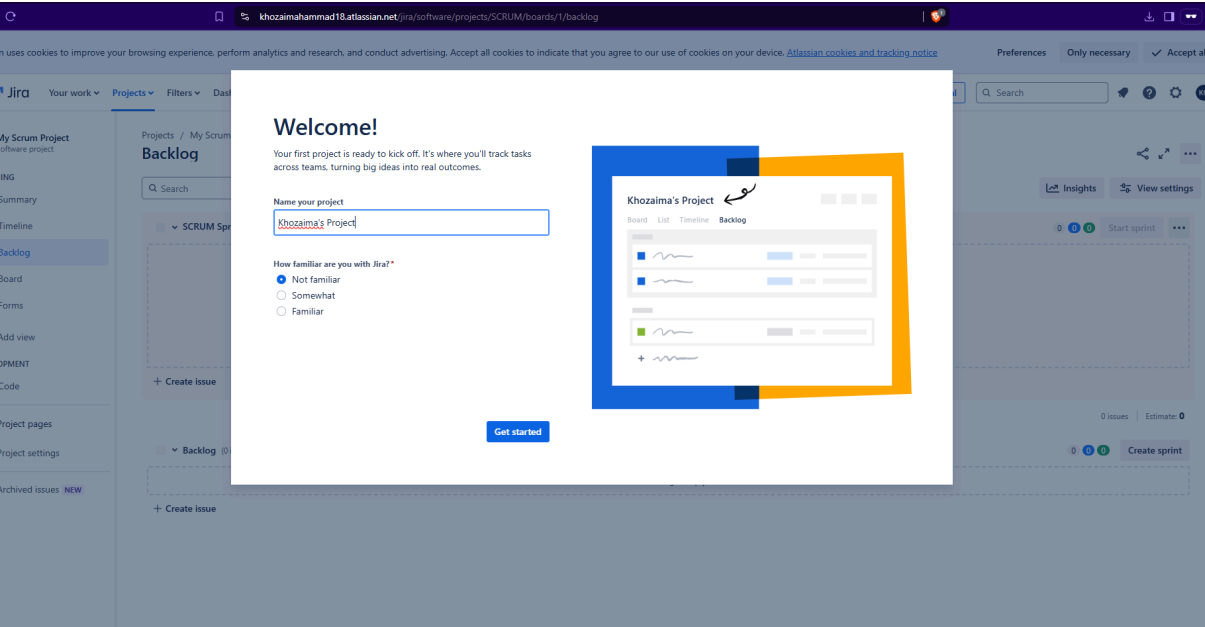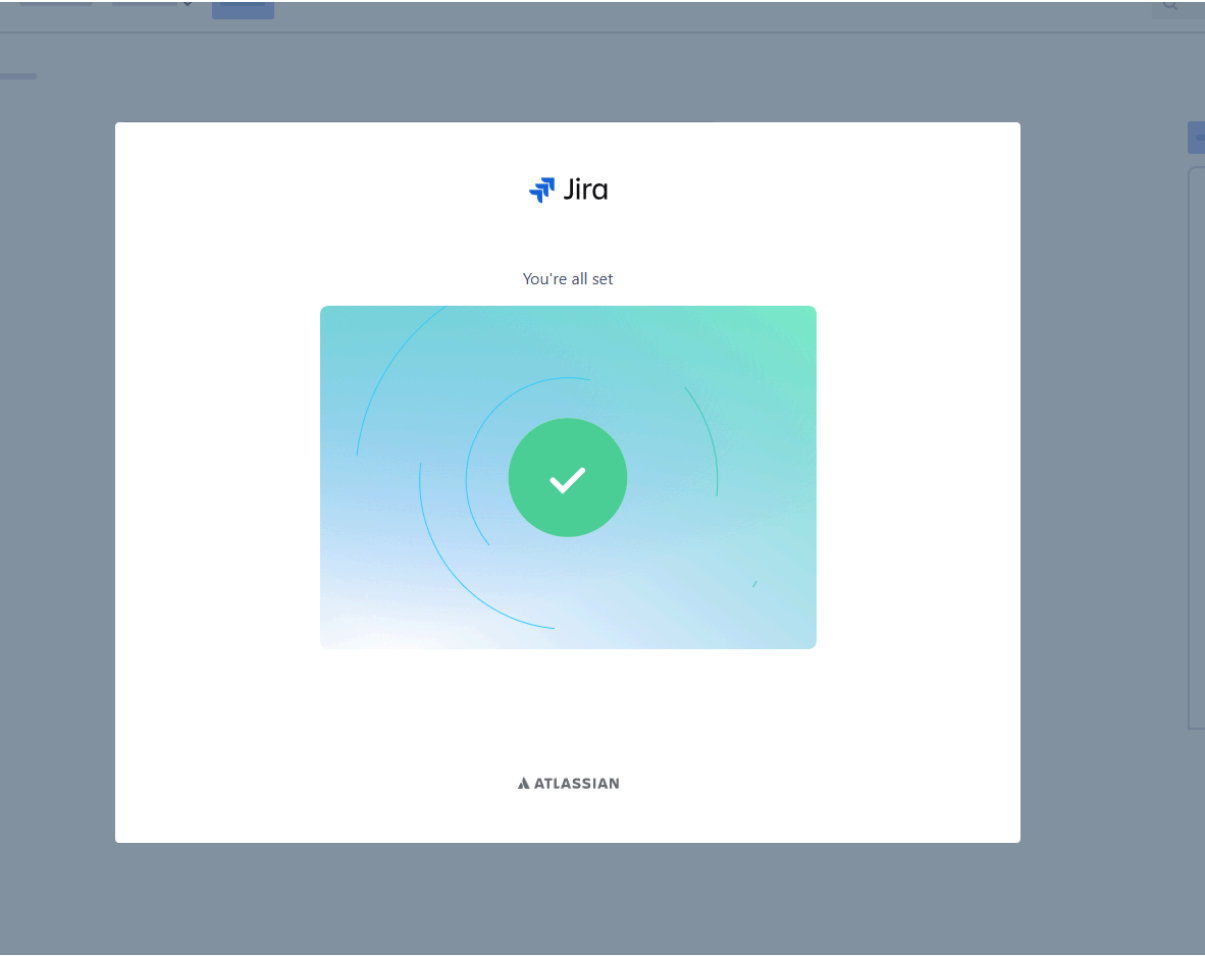Plan, prioritize, and schedule sprints using scrum framework

Kanban
Visualize work and maximize efficiency with a kanban board

Project management
Manage, track, and assign tasks to streamline project workflows

Back   Continue

Jira

You're all set

ATLASSIAN

---

khozaimahammad18.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog

uses cookies to improve your browsing experience, perform analytics and research, and conduct advertising. Accept all cookies to indicate that you agree to our use of cookies on your device. Atlassian cookies and tracking notice   Preferences   Only necessary   Accept a

Jira   Your work ⌄   Projects ⌄   Filters ⌄   Dash   Search   ⚙

My Scrum Project
Software project

Projects / My Scrum
Backlog

ING
Summary
Timeline
Backlog
Board
Forms
Add view

PMENT
Code

Project pages
Project settings

Archived issues NEW

Search

⌄ SCRUM Spri

＋ Create issue

⌄ Backlog (0)

＋ Create issue

Welcome!

Your first project is ready to kick off. It's where you'll track tasks
across teams, turning big ideas into real outcomes.

Name your project
Khozaima's Project

How familiar are you with Jira? *
◉ Not familiar
○ Somewhat
○ Familiar

Get started

Khozaima's Project

Board List Timeline **Backlog**

Insights   View settings

0 Start sprint

0 issues | Estimate: 0

0 Create sprint

Jira   Your work ⌄   Projects ⌄   Filters ⌄   Dashboards ⌄   Teams ⌄   Plans   Premium trial   🔍 Search
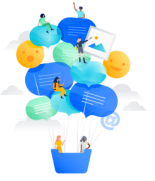
Create a team

Bring everyone together with one team you can
@mention, filter, and assign work to. What's a team?

Team name *
Khozaima's Team

Who can see your team name? ⓘ

Who should be in this team? *
KH Khozaima Hammad ✕   Choose people

You can invite up to 50 people at once.

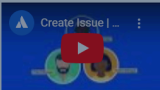Membership controls
☑ Anyone can join this team without approval

Cancel   **Create a team**

Khozaima's Project
Software project

PLANNING
🌐 Summary
☰ Timeline
☰ Backlog
▦ Board
☰ Forms
➕ Add view

DEVELOPMENT
</> Code

📄 Project pages
⚙ Project settings
📁 Archived issues NEW

Projects / Khozaima's Project
Timeline

🔍 Search timeline   KH 👤 👤+

Sprints
➕ Create Epic

APR

⊙ Today   Weeks   Months   Quarters   ⓘ

Quickstart
✓ Create a project ⌄
✓ Map out your project goals ⌄
✓ Identify small chunks of work ⌄
✓ Monitor and manage risk ⌄
⊙ Create an issue ⌃

Create issue | ...

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

Show me   View issue tutorial

✓ Start with the basics ⌄
✓ Invite your teammates ⌄
✓ Connect your tools ⌄

Dismiss Quickstart

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

People and teams   Create team   Add people

🔍 Search for people and teams

People   More search options in Atlas △

Your teammate   Khozaima Hammad   Arya   Dhanistha Jeswani
Add people

Your teams

Share pages and mention teams rather than
individual members

Join or create a team now to start collaborating!

Browse all teams   Create team

⠿ 🔷 Jira   Your work ⌄   Projects ⌄   Filters ⌄   Dashboards ⌄   Teams ⌄   Plans ⌄   Apps ⌄   Create   💎 Premium trial   🔍 Search   🔔¹ ❓ ⚙ KH

Experiment 6
Software project

PLANNING

🌐 Summary

☰ Timeline

🗄 Backlog

⊞ Board

📋 Forms

DEVELOPMENT

</> Code

📄 Project pages

🗄 Archived issues NEW

You're in a team-managed project

Learn more

Projects / Experiment 6

Timeline

📣 Give feedback   ⌹ Share   ⬆ Export

🔍 Search timeline   KH DJ 👤   Status category ⌄   Epic ⌄   ⇄ View settings

		FEB	MAR	APR

Sprints

☐ ⬒ E6-1 E6-1 Welcome members   DONE

+ Create Epic

▶ Today   Weeks   Months   Quarters   ⓘ   ⤢

Quickstart   ⤡

✅ Create a project   ⌄

✅ Map out your project goals   ⌄

✅ Identify small chunks of work   ⌄

✅ Monitor and manage risk   ⌄

✅ Create an issue   ⌃

Create Issue | ...   ⋮

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

Show me   View issue tutorial

✅ Start with the basics   ⌄

✅ Invite your teammates   ⌄

✅ Connect your tools   ⌄

Dismiss Quickstart

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