Rohan Gajanan Fukat **T23/2311129**

Experiment no. 6 : To Study Agile Methodology and Test Case Management using JIRA Tool

Agile Methodology

Agile is a software development approach that emphasizes flexibility, collaboration, and customer feedback. It divides work into small, iterative cycles called sprints, allowing continuous improvement and faster delivery.

Key Principles of Agile:

- Customer Collaboration → Frequent feedback ensures better product development.
- Iterative Development → Work is broken into short development cycles.
- Quick Adaptation → Teams respond to changes efficiently.
- Continuous Improvement → Regular reviews and refinements improve quality.

Popular Agile Frameworks:

1. Scrum → Uses sprints, daily stand-ups, and retrospectives.
2. Kanban → Focuses on visualizing tasks and limiting work in progress.
3. Extreme Programming (XP) → Emphasizes continuous testing and customer involvement.

Test Case Management in JIRA

JIRA is a widely used project management tool developed by Atlassian. It supports Agile methodologies and helps in tracking, managing, and executing test cases efficiently.

Installing & Configuring JIRA

1. Visit Atlassian JIRA and sign up.
2. Choose a project type (Scrum/Kanban/Basic).
3. Invite team members and configure workflows.

Creating a Test Case in JIRA

1. Navigate to your project and click “Create Issue”.
2. Select Test Case as the issue type.
3. Fill in details:
    - Summary: Short description of the test case.
    - Steps: List the actions to execute.
    - Expected Result: Define the expected outcome.
    - Actual Result (After Execution): Capture actual behavior.
4. Assign the test case to a tester and save it.

Rohan Gajanan Fukat **T23/2311129**

Executing Test Cases in JIRA

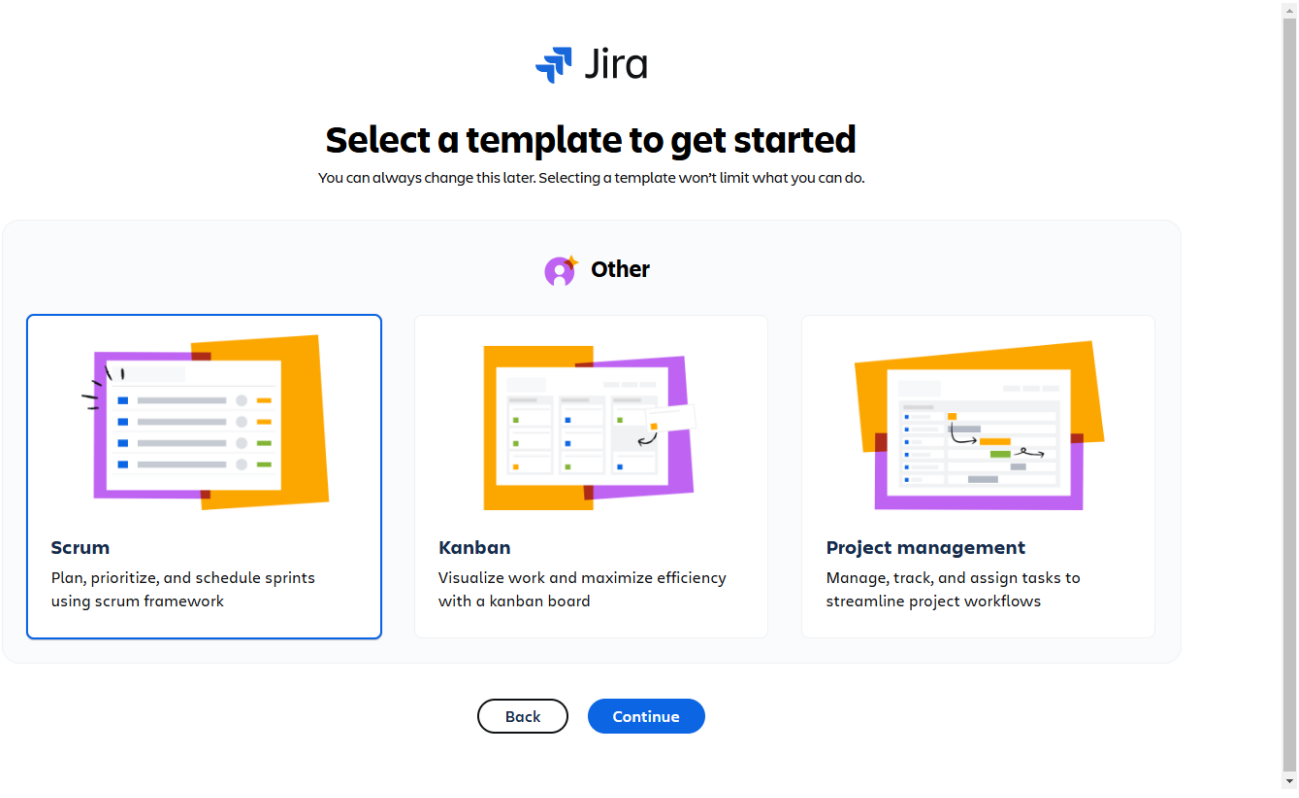
- Navigate to the test case and update the execution status (Pass, Fail, Blocked).
- Attach evidence (screenshots, logs, etc.) if needed.
- Link defects/bugs to the test case for tracking.

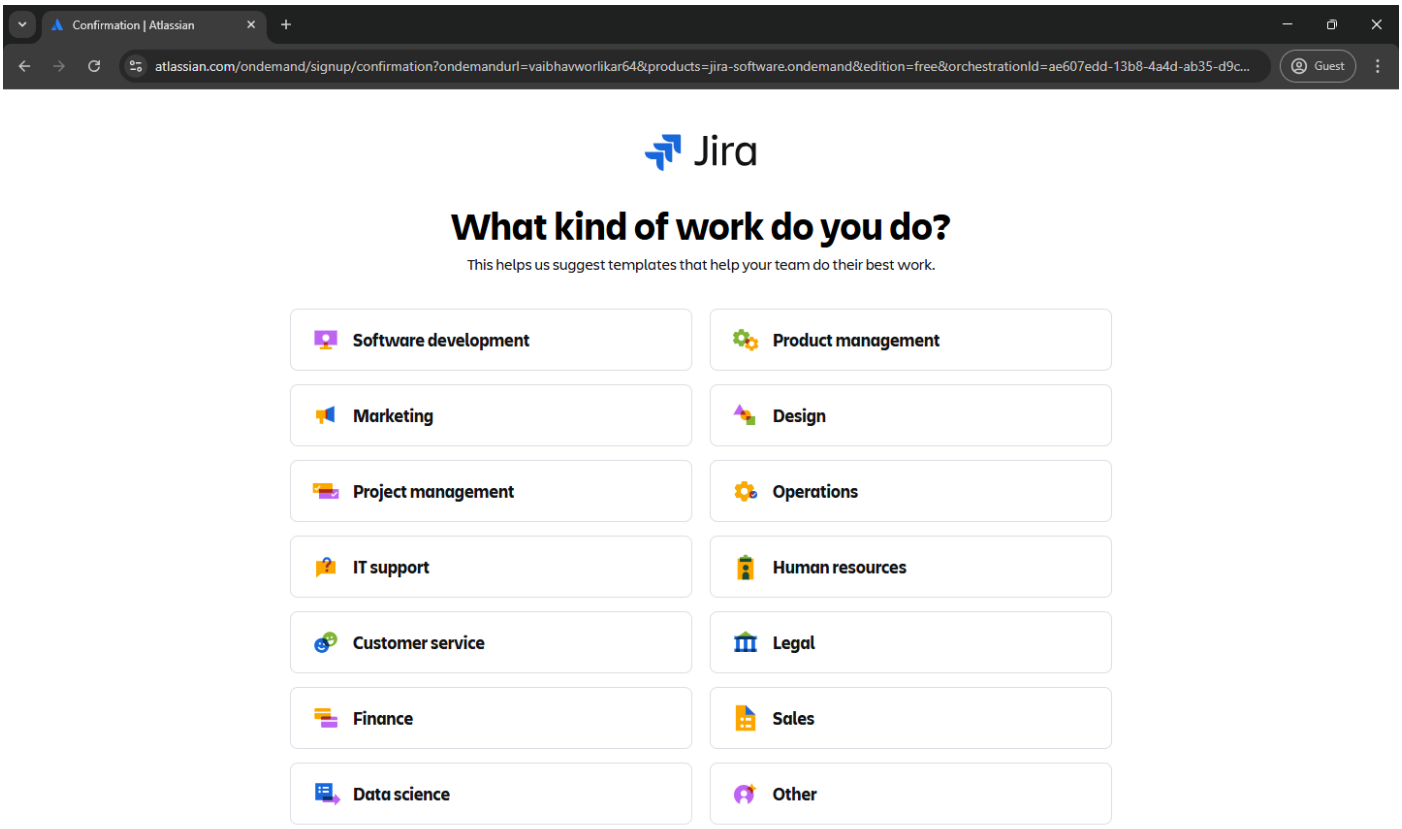
JIRA Integrations for Testing

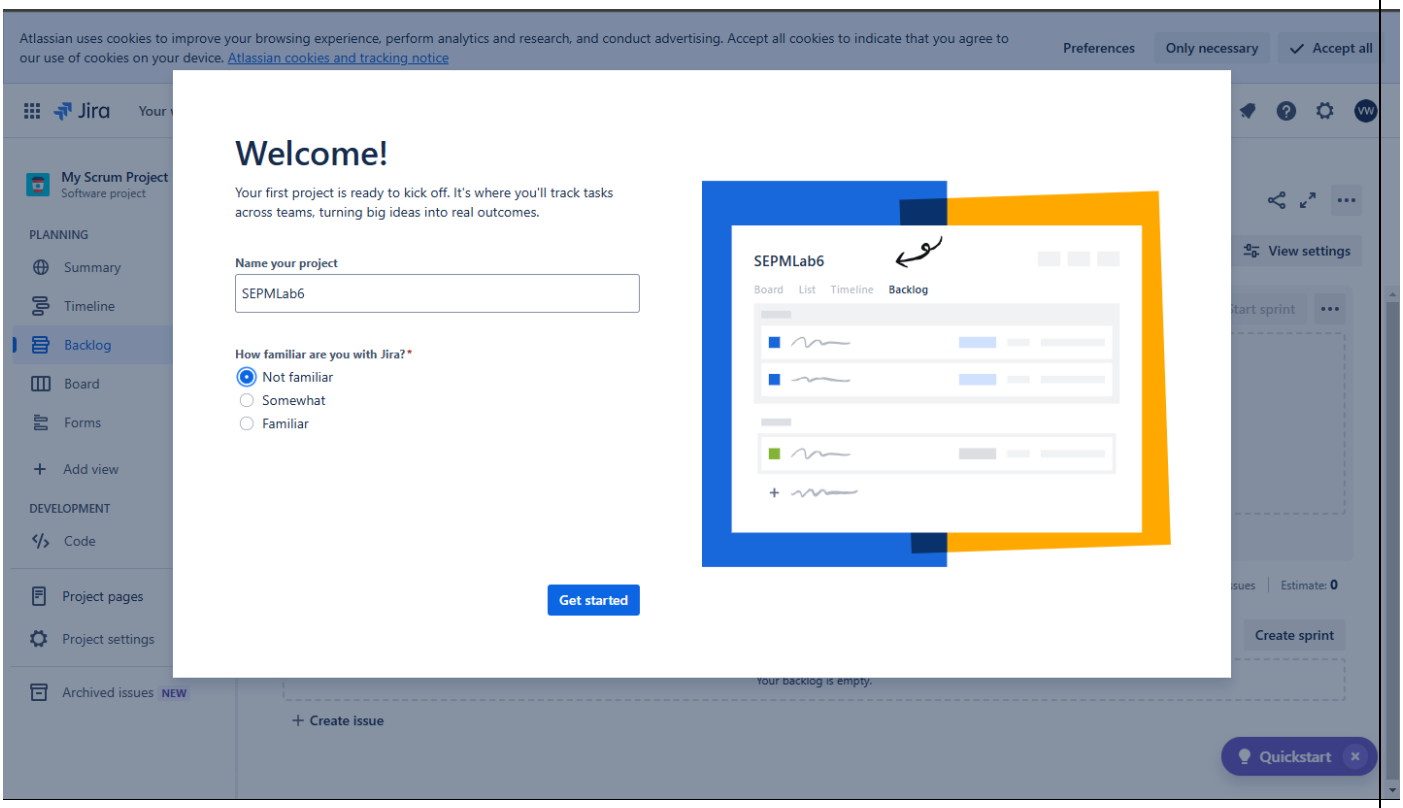
JIRA integrates with tools like Zephyr, Xray, and TestRail to enhance test case management. These plugins provide advanced reporting, automation, and execution tracking.

Benefits of Using JIRA for Test Case Management

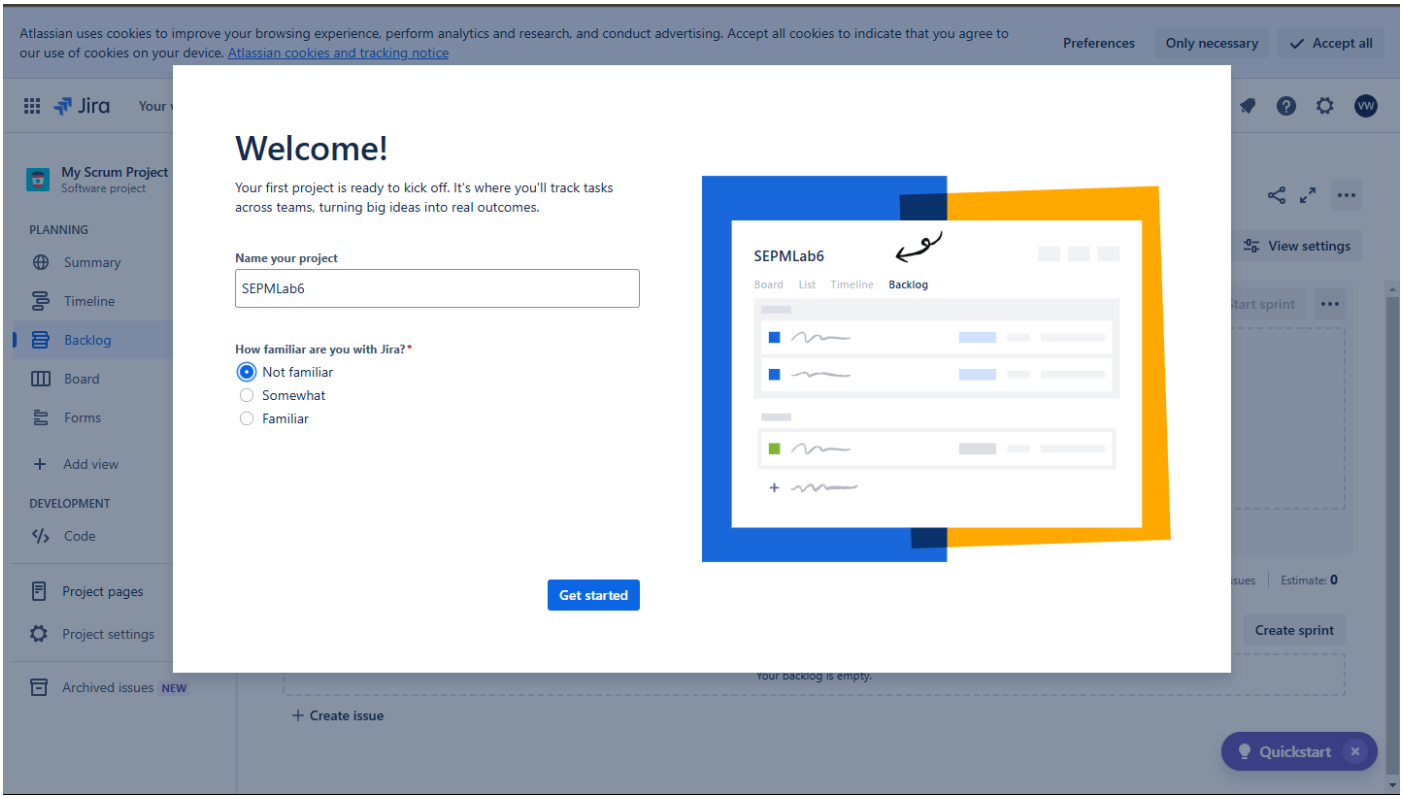
- Centralized Tracking → Manage test cases, bugs, and development tasks in one place.
- Collaboration → Enables seamless communication between testers, developers, and managers.
- Custom Workflows → Define workflows tailored to project needs.
- Reports & Dashboards → Gain insights into testing progress and quality.

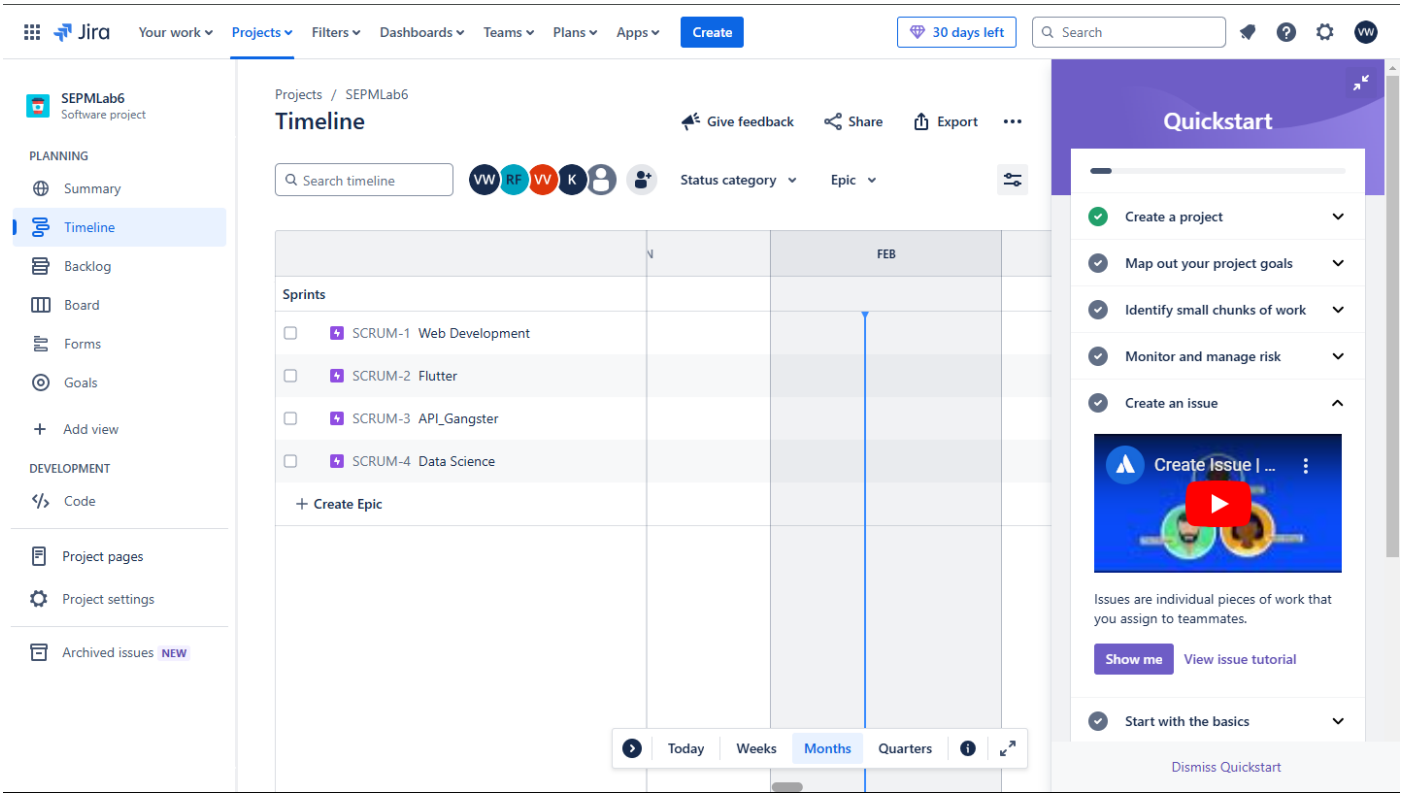



Confirmation | Atlassian
atlassian.com/ondemand/signup/confirmation?ondemandurl=vaibhavworlikar64&products=jira-software.ondemand&edition=free&orchestrationId=ae607edd-13b8-4a4d-ab35-d9c...
Guest
Jira
What kind of work do you do?
This helps us suggest templates that help your team do their best work.
Software development
Product management
Marketing
Design
Project management
Operations
IT support
Human resources
Customer service
Legal
Finance
Sales
Data science
Other

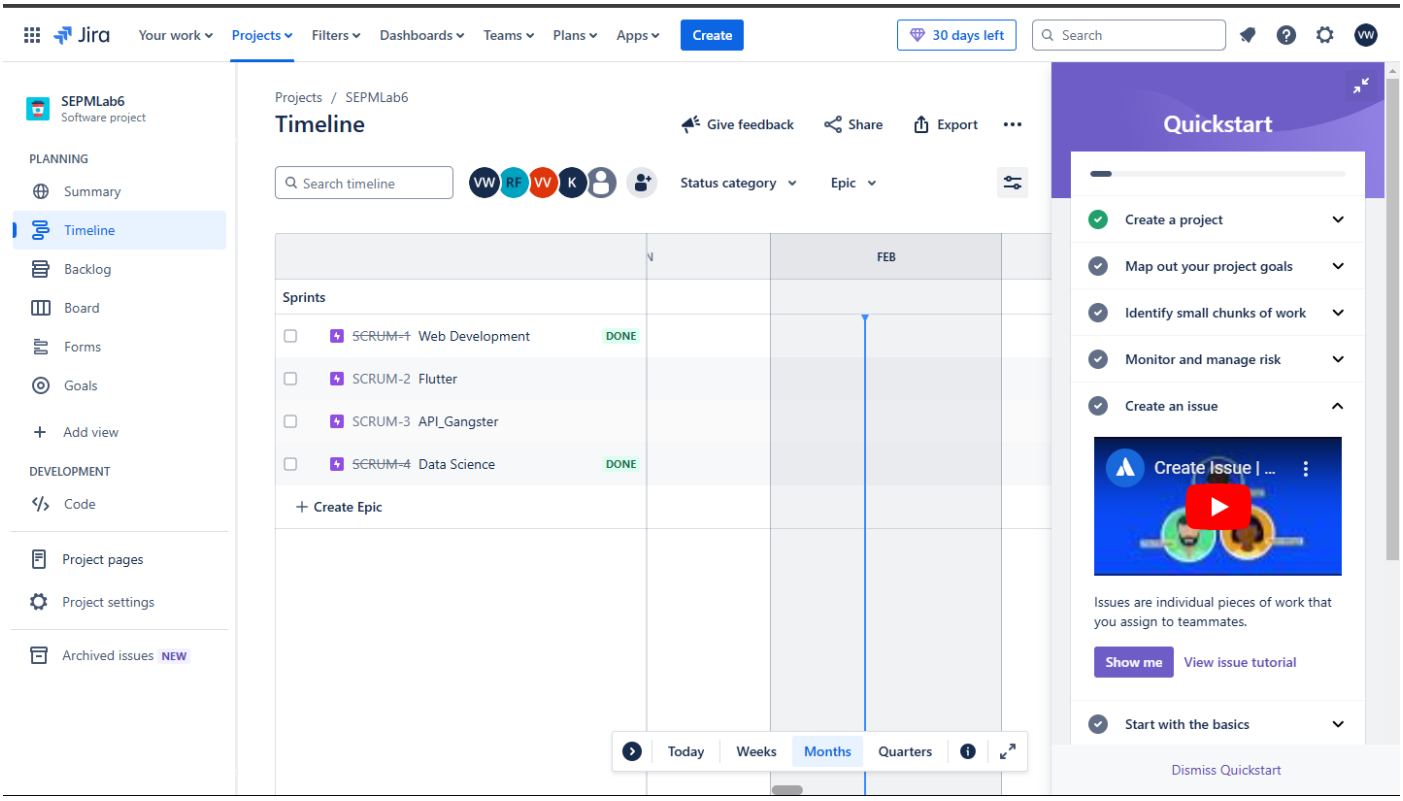

Atlassian uses cookies to improve your browsing experience, perform analytics and research, and conduct advertising. Accept all cookies to indicate that you agree to our use of cookies on your device. Atlassian cookies and tracking notice
Preferences
Only necessary
Accept all
Jira
My Scrum Project
Software project
PLANNING
Summary
Timeline
Backlog
Board
Forms
Add view
DEVELOPMENT
Code
Project pages
Project settings
Archived issues NEW
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
SEPMLab6
How familiar are you with Jira?*
Not familiar
Somewhat
Familiar
Get started
SEPMLab6
Board
List
Timeline
Backlog
View settings
Estimate: 0
Create sprint
Your backlog is empty.
Create issue
Quickstart

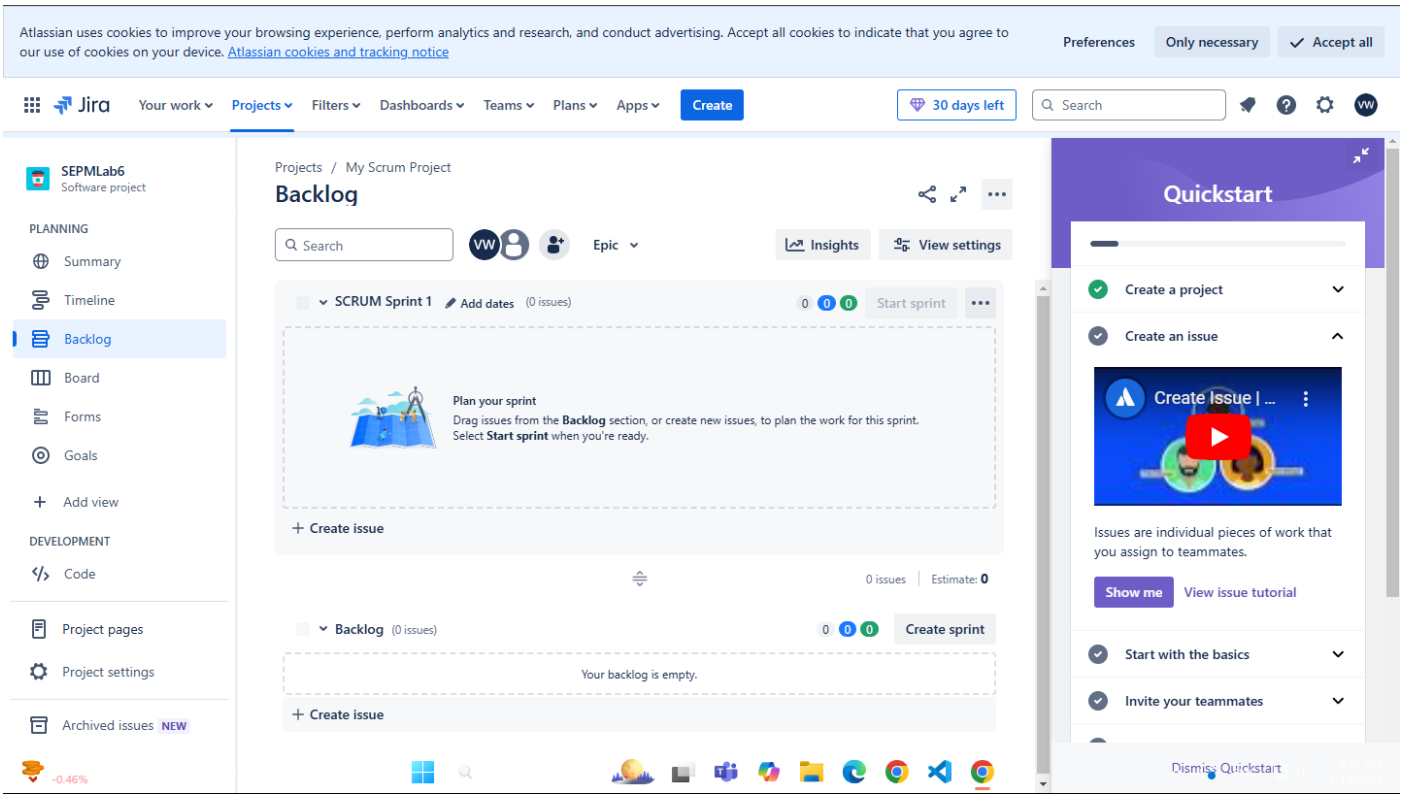
Rohan Gajanan Fukat **T23/2311129**

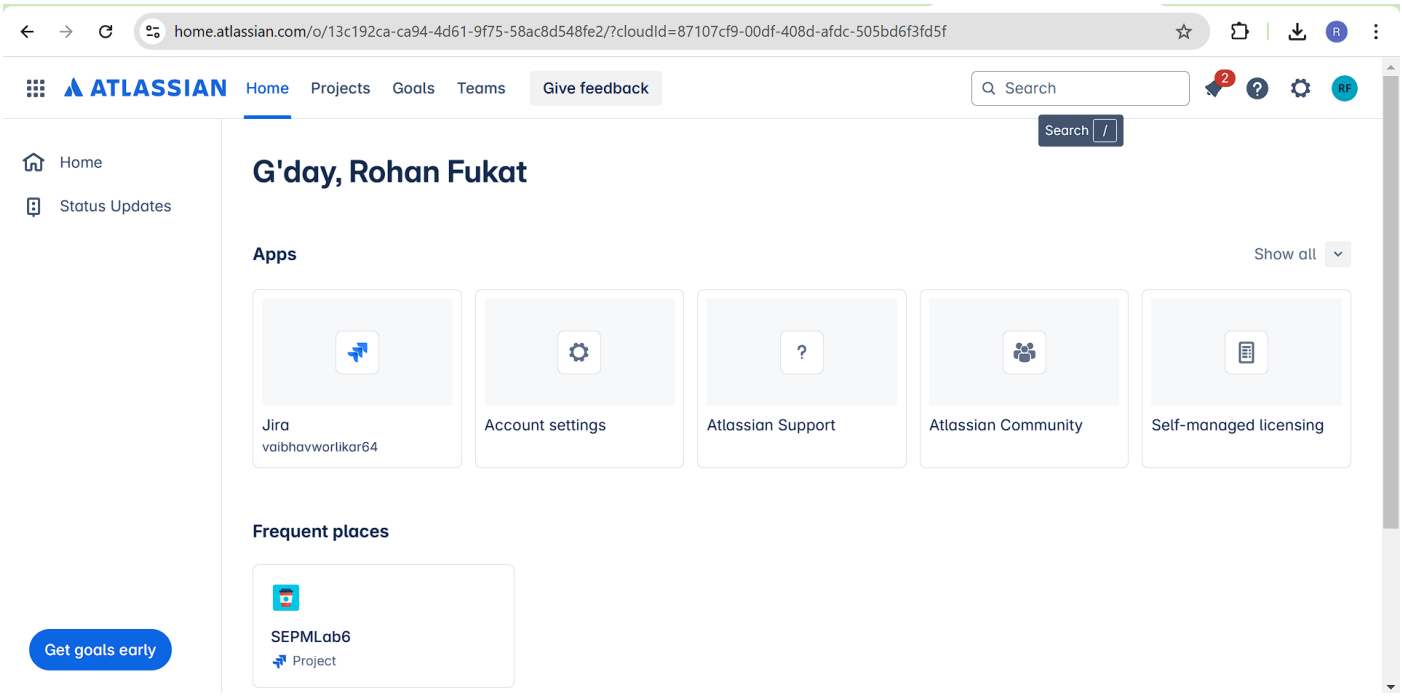


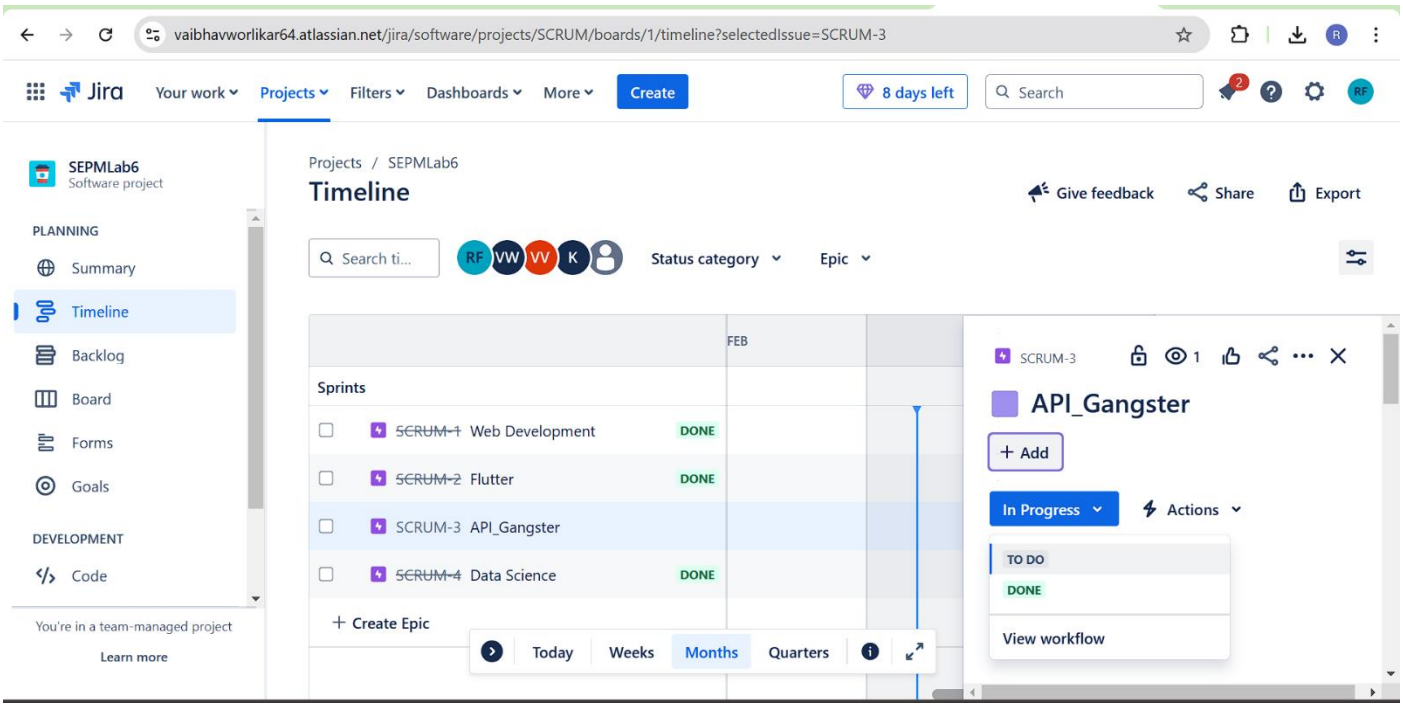


Rohan Gajanan Fukat **T23/2311129**









Conclusion : Thus, we have successfully studied agile methodology and test case management using jira tool