

# EXPERIMENT 7

**AIM:** To Create Scrum Board for Scrum Master using JIRA Tool.

## **THEORY:**

### **Introduction to Scrum Boards in JIRA**

A Scrum Board in JIRA is a visual management tool that helps teams manage their backlog, sprint planning, daily stand-ups, and sprint reviews. It represents the workflow of tasks from "To Do" to "Done" using columns and swimlanes.

### **Understanding the Role of a Scrum Master in Relation to the Scrum Board**

The Scrum Master facilitates the Scrum process, ensures agile principles are followed, and helps the team stay organized. In JIRA, the Scrum Master customizes the Scrum Board to:

- Enable clear visibility of work.
- Support effective sprint planning.
- Monitor team performance and bottlenecks.

### **Key Components of a Scrum Board in JIRA**

- **Columns:** Represent different stages of work (e.g., To Do, In Progress, Review, Done).
- **Swimlanes:** Group issues by priority, assignee, or epics.
- **Backlog:** A list of all tasks that are not yet assigned to a sprint.
- **Filters:** Define what issues appear on the board using JQL (JIRA Query Language).
- **Quick Filters:** Allow for quick views (e.g., show issues assigned to a specific team member).

### **Steps to Create a Scrum Board in JIRA:**

#### **Step 1:** Access JIRA and Navigate to Board Creation

- Go to the JIRA dashboard.
- Click on "Boards" in the top navigation bar.
- Select "Create Board."

**Step 2: Choose the Board Type**

- Scrum Board: Ideal for teams working in sprints.
- Choose "Scrum Board" and click "Next."

**Step 3: Select a Board Source**

- From an Existing Project: If the team already has a project.
- From an Existing Filter: If you want to create a board based on specific JQL queries.

**Step 4: Configure Board Settings**

- Name the board clearly (e.g., "Sprint Board – Team Alpha").
- Assign the board to the relevant project or filter.

**Step 5: Customize Columns and Swimlanes**

- Go to "Board Settings" > "Columns" to adjust stages.
- Define workflows for each column (e.g., setting "In Review" before "Done").
- Use "Swimlanes" to organize issues by Epic, Assignee, or Priority.

**Step 6: Set Up Quick Filters**

- Add custom filters to view specific issues (e.g., "My Issues," "High Priority").

**Step 7: Manage Backlog and Sprints**

- Enable the backlog view for effective sprint planning.
- Create and manage sprints, dragging issues from the backlog to the sprint.

**Advanced Configurations:**

- **Card Layout:** Customize what information appears on each issue card.
- **Estimation:** Use story points or time estimates to track progress.
- **Work In Progress (WIP) Limits:** Set limits to prevent overloading the team.

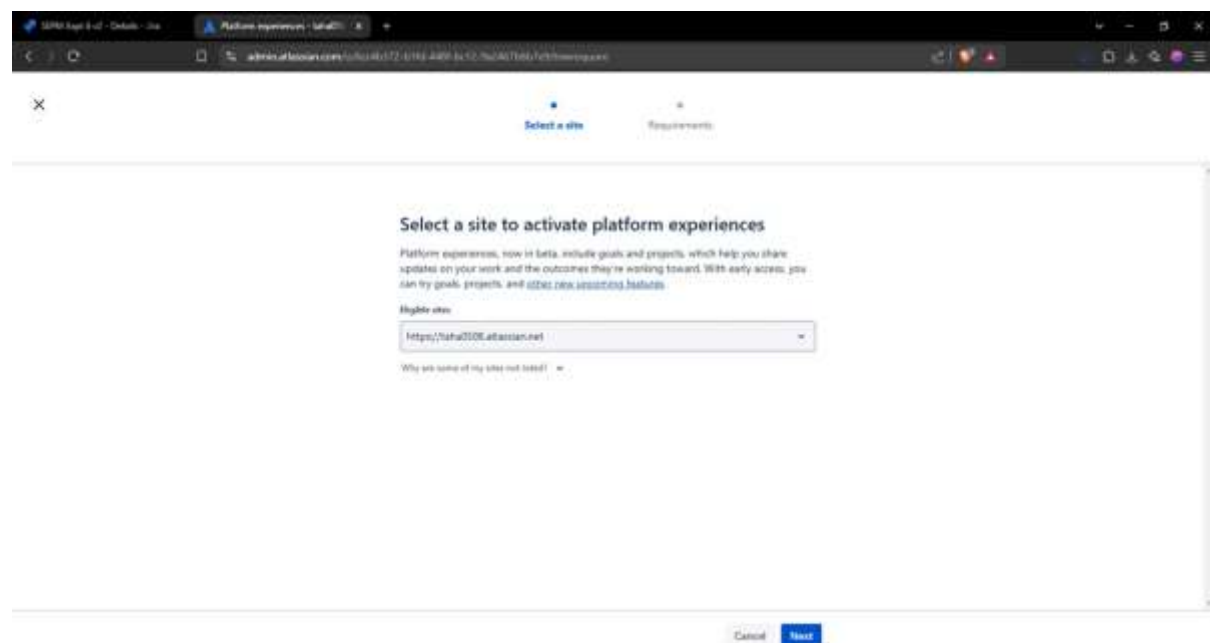
## Best Practices for Scrum Masters Using JIRA Boards:

- Regularly review and update the board to reflect the current sprint status.
- Use filters and swimlanes to focus on critical issues during stand-ups.
- Encourage the team to update the board in real-time for transparency.
- Analyze board data to identify trends, blockers, and areas for improvement.

## Monitoring and Reporting:

- Utilize JIRA reports (burndown charts, velocity charts) to track sprint progress.
- Configure dashboards for high-level insights on team performance.

## DEMONSTRATION:



Atlassian Admin

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Site	Activated on	Actions
<a href="https://tshu550.atlassian.net">https://tshu550.atlassian.net</a>	Apr 2, 2025	<a href="#">Opt out</a>

1 Product | 1 Site | 1-1 of 1 result

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Backlog

SPRINT Sprint 1

Backlog

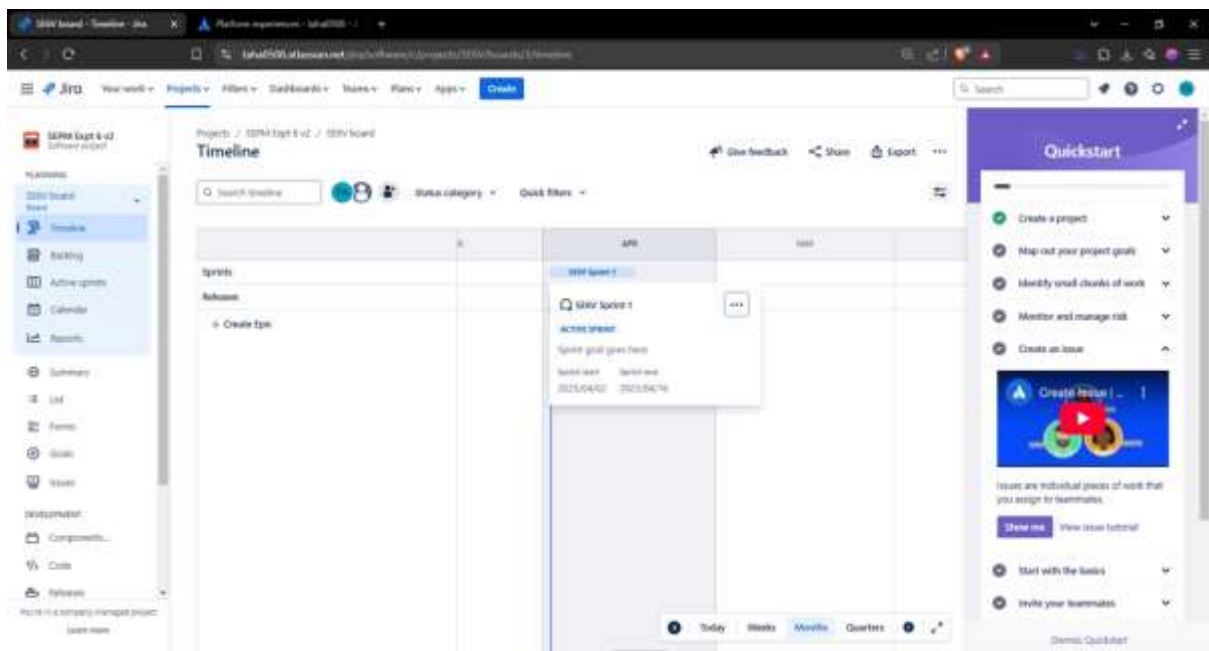
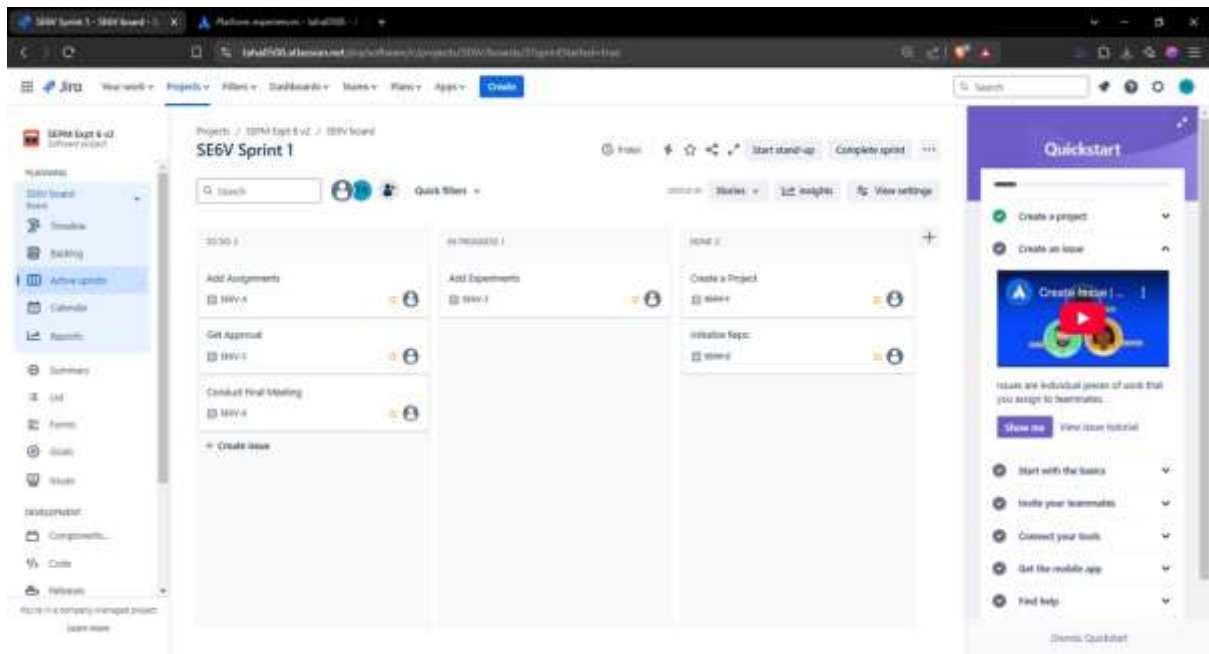
What needs to be done?

Backlog (5 items)

Create issue

Quickstart

- Create a project
- Create an issue
- Create issue 1
- Start with the basics
- Invite your teammates
- Connect your tools
- Get the mobile app
- Find help



**CONCLUSION:**  
Scrum project was implemented using JIRA.