

Experiment No. 07**AIM: To Create Scrum Board for Scrum Master using JIRA Tool.**

THEORY:

1. 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.

2. 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.

3. 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).

4. 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.

5. 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.

6. 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.

7. Monitoring and Reporting

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

Output:

The screenshot displays the Atlassian Admin interface for user 'taha0508'. The left sidebar lists various admin functions, with 'Platform experiences' highlighted as a 'BETA' feature. The main content area shows a 'Platform experiences' section with a target icon and a message: 'Introducing better teamwork with platform experiences'. It states that platform experiences are made up of goals, projects, and other features that help connect the dots across teams, apps, and work. A 'Sign up now' button is present. Below this, a modal window titled 'Select a site to activate platform experiences' is open. It explains that platform experiences, now in beta, include goals and projects that help share updates on work and outcomes. The modal shows a dropdown menu for 'Eligible sites' with the selected site 'https://taha0508.atlassian.net'. A 'Next' button is at the bottom right of the modal.

The screenshot shows the Atlassian Admin console for user 'taha0508'. The left sidebar contains navigation links: Details, Domains, API keys (NEW), Application tunnels, Emails, Contacts, Compliance (NEW), Platform experiences (BETA), Data management, AI Settings, Rovo (NEW), and Atlassian Intelligence (NEW). The main content area is titled 'Platform experiences' and includes a description: 'Platform experiences are features that come with any plan and can be used across Atlassian products. Goals and projects are currently in early access and available to everyone on the sites below. You can opt out of early access at any time. [Get more info on early access](#)'. Below this is a table with columns 'Site', 'Activated on', and 'Actions'. The table contains one entry for 'https://taha0508.atlassian.net' activated on 'Apr 2, 2025', with an 'Opt out' button in the Actions column. A pagination bar shows '1-1 of 1 result' and 'Results per page: 5'. A notification bubble states: 'taha0508 now has early access to platform experiences. Anyone with access to this site can view and create goals, projects, and more. [Explore goals](#)'.

Site	Activated on	Actions
https://taha0508.atlassian.net	Apr 2, 2025	Opt out

The screenshot shows the Jira Software project backlog for 'SEPM Expt 6 v2'. The left sidebar lists navigation options: PLANNING (SEPM board, Timeline, Backlog, Active sprints, Calendar, Reports), Summary, List, Forms, Goals, Issues, and DEVELOPMENT (Components..., Code, Releases). The main area displays the 'Backlog' for 'SEPM Expt 6 v2 / SE6V board'. It shows a 'SE6V Sprint 1' with 6 issues, including 'Create a Project', 'Initialize Repo', 'Add Experiments', 'Add Assignments', 'Get Approval', and 'Conduct Final Meeting'. Below the sprint is an empty 'Backlog' section with a 'Create issue' button. A 'Quickstart' panel on the right offers guided actions: 'Create a project', 'Create an issue', 'Start with the basics', 'Invite your teammates', 'Connect your tools', 'Get the mobile app', and 'Find help'.

The image displays two screenshots of the Jira interface for a project named 'SEPM Expt 6 v2'.

Top Screenshot: SE6V Sprint 1 Board

- Navigation:** The left sidebar shows the 'PLANNING' section with options like 'SE6V board', 'Timeline', 'Backlog', 'Active sprints', 'Calendar', and 'Reports'. The 'Active sprints' option is selected.
- Board View:** The main area shows the 'SE6V Sprint 1' board. It has three columns: 'TO DO 3', 'IN PROGRESS 1', and 'DONE 2'.
 - TO DO 3:** Contains tasks like 'Add Assignments', 'Get Approval', and 'Conduct Final Meeting', each with a sub-task (e.g., SE6V-4, SE6V-5, SE6V-6).
 - IN PROGRESS 1:** Contains 'Add Experiments' with sub-task SE6V-3.
 - DONE 2:** Contains 'Create a Project', 'Initialize Repo', and 'SE6V-2'.
- Quickstart:** A sidebar on the right provides a 'Quickstart' guide with steps like 'Create a project', 'Create an issue', 'Start with the basics', etc.

Bottom Screenshot: Timeline View

- Navigation:** The left sidebar shows the 'PLANNING' section with 'Timeline' selected.
- Timeline View:** The main area shows a calendar view for 'SE6V Sprint 1'. It displays a timeline from April to May. A pop-up for 'SE6V Sprint 1' is visible, showing 'ACTIVE SPRINT' and 'Sprint goal goes here'.
- Quickstart:** A sidebar on the right provides a 'Quickstart' guide with steps like 'Create a project', 'Map out your project goals', 'Identify small chunks of work', etc.

CONCLUSION: Hence, we have successfully implemented a Scrum project using JIRA.