

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:

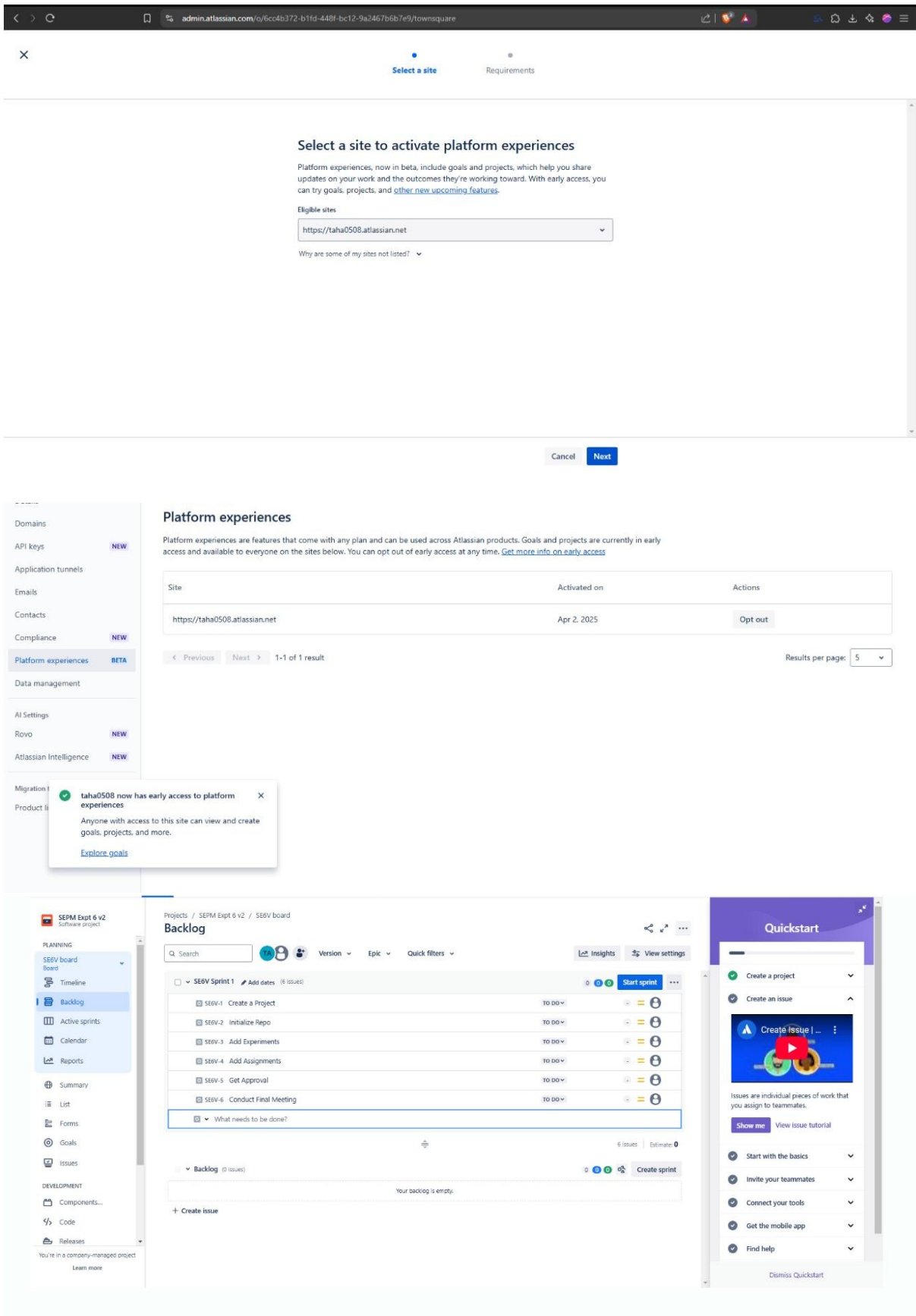
The image displays two screenshots of the Jira Admin console interface.

Top Screenshot: Janhavi2101 overview

- Header:** A dark blue banner at the top states, "We're renaming 'products' to 'apps' over the coming months. [Here's why we're making this change](#)".
- Navigation:** A top bar contains the "Admin" menu, the user "Janhavi2101", and tabs for "Overview" (selected), "Directory", "Products", "Security", "Billing", and "Settings". A search bar and notification icons are on the right.
- Content:**
 - A purple informational box says: "See what's happening across your organization with our new overview. Quickly find your most important tasks, get an overview of what's happening, and explore new features. We'd love your feedback, [let us know what you think](#)."
 - Quick actions:** Three buttons: "Invite users", "Add product", and "Verify domain".
 - Monitor:** A section with four cards: "Monthly active users" (with a "Manage users" link), "Requests for product access", and "Users with access to your products".

Bottom Screenshot: Settings page

- Navigation:** Similar to the top screenshot, but the "Settings" tab is selected.
- Left Sidebar:** A list of settings categories: "Details", "Domains", "API keys" (marked NEW), "Application tunnels", "Emails", "Contacts", "Compliance" (marked NEW), "Platform experiences" (marked NEW), "Data management", "AI Settings", and "Rovo" (marked NEW).
- Main Content:**
 - Breadcrumb: "Admin / Janhavi2101".
 - Section: "Platform experiences".
 - Graphic: A target icon with three arrows hitting the bullseye.
 - Section: "New platform experiences are coming".
 - Text: "We're improving goals and other Atlas features, making it easier to use them across Atlassian projects. You can keep using Atlas like normal, but you'll get the new and improved goals experience once it's ready for release. Join the discussion [here](#)."



The image displays two screenshots of the JIRA SE6V Sprint 1 interface. The top screenshot shows the 'SE6V Sprint 1' board with columns for 'TO DO 3', 'IN PROGRESS 1', and 'DONE 2'. The bottom screenshot shows the 'Timeline' view for the same sprint, displaying a calendar grid with a pop-up for 'SE6V Sprint 1' showing the sprint goal and dates.

SE6V Sprint 1 Board:

- TO DO 3:**
 - Add Assignments (SE6V-4)
 - Get Approval (SE6V-5)
 - Conduct Final Meeting (SE6V-6)
- IN PROGRESS 1:**
 - Add Experiments (SE6V-3)
- DONE 2:**
 - Create a Project (SE6V-1)
 - Initialize Repo (SE6V-2)

SE6V Sprint 1 Timeline:

Sprints	APR	MAY
SE6V Sprint 1	ACTIVE SPRINT	
Releases		

SE6V Sprint 1 Pop-up:

- ACTIVE SPRINT**
- Sprint goal goes here
- Sprint start: 2025/04/02
- Sprint end: 2025/04/16

CONCLUSION:

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