

Agile Tools Report

1. Jira

Developed by: Atlassian

Best for: Software development and Agile teams (Scrum, Kanban)

Key Features:

- Create Epics, User Stories, Tasks
- Sprint planning and backlog management
- Built-in Scrum/Kanban boards
- Burndown chart, velocity reports, issue tracking
- Supports integration with Git, CI/CD tools

Why it's popular:

Jira is the industry-standard Agile tool, mainly used in software projects for project tracking, sprint execution, and bug tracking.

Example (Library Management System Project):

- Epic: Develop Library Automation System
- User Story: "As a student, I should be able to search for books."
- Task: Create search bar and backend API
- Sprint: Sprint 1 – Duration: 10 days
- Status Tracking: Moved from To Do → In Progress → Testing → Done

Example Statement:

"Using Jira, our team created user stories, assigned tasks, and tracked progress during the sprint. The Kanban board helped visualize the SDLC stages, and the burndown chart showed daily task completion."

2. Trello

Developed by: Atlassian

Best for: Simple project/task management

Key Features:

- Kanban-style boards with cards
- Drag-and-drop tasks between columns (To Do → Doing → Done)
- Easy to use, visually clear
- Supports checklists, due dates, attachments

Why it's used:

Trello is very simple and beginner-friendly, good for small projects or personal task management, but lacks advanced Agile features like sprint tracking and detailed reports.

Example (College Mini Project Task Tracking):

- To Do: Research project topic
- In Progress: Create UI design
- Testing: Check functionality
- Completed: Final report submission

Example Statement:

"Trello helped us easily manage project tasks using a Kanban-style board. We visually tracked task progress by moving cards between stages, which improved team coordination."

3. Quick Comparison

Feature | Jira | Trello

Complexity | Advanced | Beginner

Agile Support | Full (Scrum, Kanban) | Basic (Kanban only)

Reporting | Yes (charts, velocity) | Limited

Used In | Software companies | Small teams, students

Best For | Development projects | Task planning

Final Summary:

Jira is a powerful Agile tool used in software development for Sprint planning, issue tracking, and reporting. Trello is a simple and visual project management tool based on Kanban, suitable for small teams or personal task planning.