

Case Study: Agile Software Development Sprint – Task Management Web App

Project Overview:

To showcase my expertise in Agile project management, I led a **six-week Agile sprint** to develop a **Task Management Web Application**. The project aimed to **optimize task workflows** for remote teams using an intuitive **Kanban-based system**.

My Role: Agile Project Manager

I worked with a team of **four developers** and a **UI/UX designer** to implement a feature-rich web app. My key responsibilities included:

- ✓ **Sprint Planning & Backlog Grooming** – Defined user stories in Jira and prioritized tasks for each sprint.
- ✓ **Daily Stand-Ups & Scrum Facilitation** – Led **15-minute check-ins** to track progress and remove impediments.
- ✓ **Stakeholder Communication** – Provided **weekly reports** and **progress demos** to faculty and project sponsors.
- ✓ **Risk Mitigation & Change Management** – Adapted to technical challenges and scope changes using Agile best practices.

Tools & Technologies Used:

- **Project Management:** Jira, Notion, Microsoft Project
- **Development Stack:** React.js, Node.js, Firebase
- **Collaboration:** Slack, Confluence, Figma
- **Tracking & Reporting:** Burndown Charts, Velocity Reports

Key Outcomes:

- 📌 Successfully launched a **fully functional prototype** within the project timeline.
- 📌 **Optimized team velocity by 20%** through efficient backlog grooming and sprint execution.
- 📌 Improved **stakeholder satisfaction** by ensuring transparent progress updates and regular demos.
- 📌 Developed a **scalable architecture** with real-time task updates and user authentication.