

# Software Project Management Plan

## Project Management Tool

- Task Management (Jira)
- Meeting Schedule (Google Calendar)
- Design (Figma)
- Configuration management (GitHub)
- Documents (Google Drive)

## Risk Management

Likelihood: 1 - 10(1 = less likely)

Impact: 1 - 10(1 = less impact)

#	Risk Title	Likelihood	Impact	Mitigation Plan
1	Drop Course	3	7	Distribute the responsibility to other team members.
2	GitHub Repo branch merge conflicts	1	9	Required all team members to use pull requests. The team will fork the main repo to their own repo, and use pull requests to commit their changes to the main repo's dev branch.
3	Deficient development skills	5	3	Inform the team to learn the required skills earlier. (A couple of days before the start date of the task).
4	Misunderstanding Requirements	5	7	When planning and discussing detailed requirements, double-check if fully understood.

## Roles and Responsibilities

	Product Manager	UI Designer	Front-end Developer	Back-end Developer	Testing	Documentation
Trisha Lalit				X	X	X

Shivani Roy				X	X	X
Sheng Zhang			X		X	X
Yinkai Xiong	X	X			X	X
Naren Karri		X	X		X	X

**Trisha Lalit & Shivani Roy:** Responsible for back-end-related documentation. E.g. ERD diagram, API design.

**Sheng Zhang & Naren Karri:** Responsible for front-end-related documentation. E.g. UI design and explanation of client component structure.

**Yinkai Xiong:** Responsible for creating project management-related documentation. E.g. SCMP, SPMP. And UI design.

## Time Estimation

### Important Milestones:

#### 10/03: Phase 1: Basic Project Documentation

Deliverables:

- SCMP
- SPMP
- SRS
- Use Case
- UI Design files
- Back-end design files

#### 10/17: Phase 2: Mid-term presentation

Deliverables:

- Presentation PowerPoint,
- All latest updated design files(including UI design, Database design, use cases, etc.),
- A few demo pages of the application.

#### 10/31: Phase 3

Deliverables:

- 50% of pages are completed.
- API designs

#### 11/14: Phase 4

Deliverables:

- 85% of pages are completed.
- The front end and the back end are connected to perform 80% of the functions.
- Course required documentation.

## **12/12: Phase 5Final presentation**

Deliverables:

- Presentation PowerPoint,
- Completed Server Monitoring Web Application
- Completed GitHub Repository.(Contain the latest code after all pull requests, and merge.  
Also, contain all the latest documentation)