

Software Design

Progress Report No. 2

Product Road Map

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I. Objectives

- To guide the development of our software project.
- To provide our team with a clear and organized view of the entire project.
- To help us understand the sequence of tasks involved in development.
- To allow us to track our progress effectively.
- To identify task dependencies and manage them properly.
- To keep our team aligned throughout the development process.
- To ensure we work efficiently and stay coordinated.
- To support the successful and timely completion of the software.

II. Methods

1. Define Our Roadmap Objectives

Before we create the Gantt chart, we first clarify:

- What the purpose of the roadmap is (e.g., product development, project rollout, strategy timeline)
- Who will use it (our team, executives, stakeholders)
- What outcomes or milestones we need to reach

This helps ensure our Gantt chart reflects the right priorities.

2. Break Our Work Into Phases and Tasks

We divide our project or roadmap into high-level phases such as:

- Planning Phase
- Requirements
- Design Phase
- Development Phase QA And Testing
- Deployment Maintenance
- Documentation

3. Identify Milestones

We identify major milestones such as:

- Requirements approved
- Prototype completed
- Final release

In our Gantt chart, we mark these as milestone indicators.

4. Estimate Task Durations

For each task, we estimate:

- Start date
- End date
- Duration
- Dependencies

We use methods like:

- Expert judgment
- Past project data
- Three-point estimation

5. Establish Dependencies

We define how tasks relate to each other, for example:

- **Finish-to-Start (FS)**: one task must finish before the next starts
- **Start-to-Start (SS)**: tasks begin together
- **Finish-to-Finish (FF)**: tasks finish together

This helps us visualize workflow and possible bottlenecks.

6. Assign Responsibilities

We assign each task to:

- A team
- A role
- A specific accountable owner

This keeps our roadmap organized and clear.

7. Build the Gantt Chart

III. Results

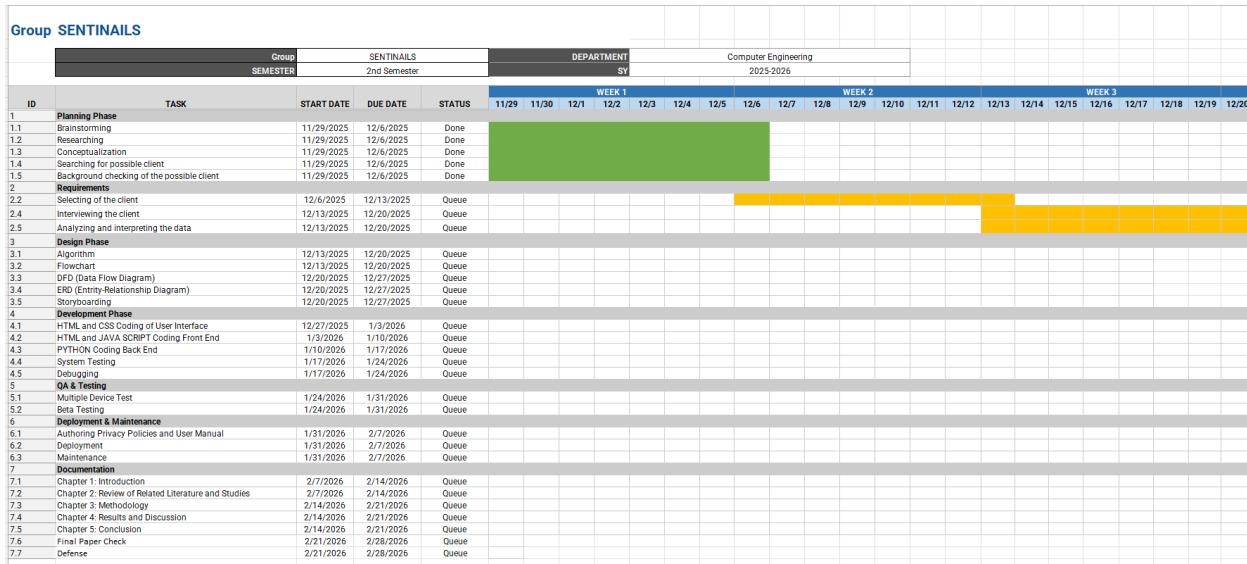


Figure 1: Gnatt Chart

IV. Conclusion

In conclusion, creating this roadmap allows us to clearly outline the steps, timelines, and responsibilities involved in developing software. By organizing our tasks through a Gantt chart, we can better visualize our workflow, anticipate challenges, and maintain alignment within our team. This roadmap serves as a guide that helps us stay focused, coordinated, and efficient throughout the entire project. With a structured plan in place, we are better equipped to deliver software successfully and on schedule.

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