

Software Design

Progress Report No. 2

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## 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

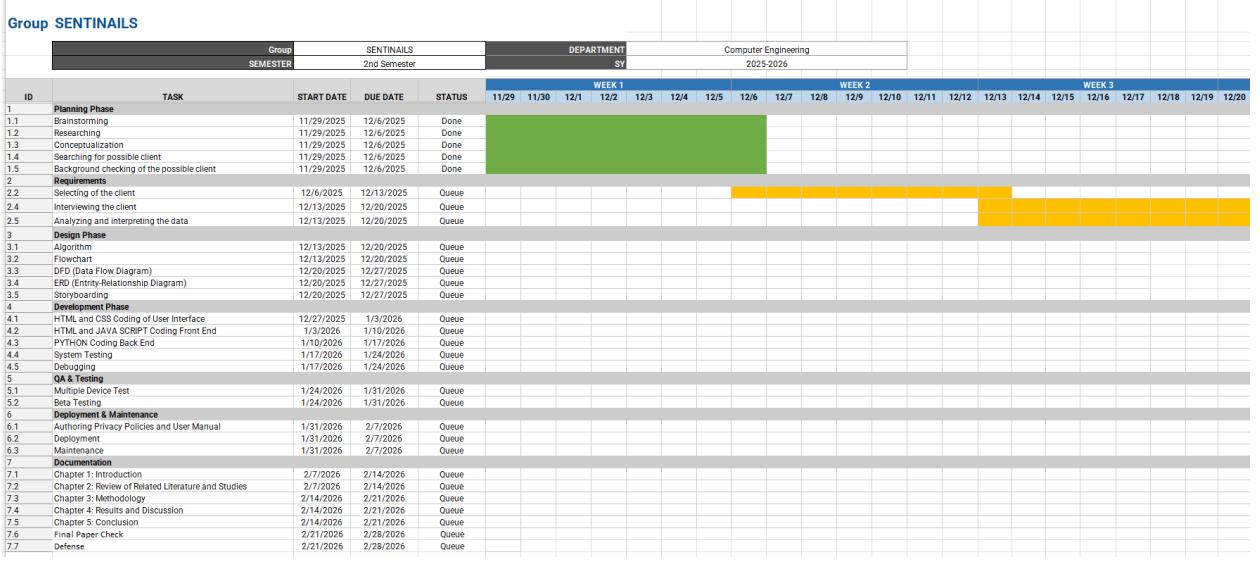


Figure 1: Gnatt Chart

### 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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