

Software Project Plan

Project: Medical Store Inventory System

Team: IntelliWare

Team Members:

- **Mustafa Iqbal – Team Lead**
 - **Amaar Khan – Scrum Master**
 - **Saad Nadeem – Developer**
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Project Timeline

- **Deliverable 1: Feb 13 – Feb 28**
 - **Deliverable 2: Mar 6 – Mar 23**
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Work Breakdown Structure (WBS)

Level 1: Project

- **1. Medical Store Inventory System**
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Level 2: Deliverables

- **1.1 Project Planning**
 - **1.2 Deliverable 1 – Basic System**
 - **1.3 Deliverable 2 – Advanced System**
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Level 3: Components

1.1 Project Planning

- **1.1.1 Requirement Gathering**
- **1.1.2 Team & Tool Setup**

1.2 Deliverable 1 – Basic System

- **1.2.1 SRS & UI Mockups**
- **1.2.2 Flask App Initialization**
- **1.2.3 Inventory Module**
- **1.2.4 Testing & Documentation**

1.3 Deliverable 2 – Advanced System

- **1.3.1 Reporting Module**
 - **1.3.2 Sales & Stock Validation**
 - **1.3.3 UI Enhancements**
 - **1.3.4 Final Testing & Submission**
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Level 4: Activities (Work Packages)

1.1.1 Requirement Gathering

- **Interview stakeholders**
- **Document requirements**
- **Review & get approval**

1.1.2 Team & Tool Setup

- **Set up GitHub repo**
- **Configure Trello board**
- **Install and configure development tools**

1.2.1 SRS & UI Mockups

- **Create Software Requirements Specification**
- **Design UI mockups in Figma**
- **Review and finalize**

1.2.2 Flask App Initialization

- **Create Flask project structure**

- **Set up routing**
- **Integrate SQLite**

1.2.3 Inventory Module

- **Add Medicine feature**
- **Update Medicine feature**
- **Delete Medicine feature**
- **Input validation**

1.2.4 Testing & Documentation

- **Write unit tests with Pytest**
- **Create user documentation**
- **Peer review**

1.3.1 Reporting Module

- **Design report layout**
- **Implement filter logic**
- **Display with Chart.js**

1.3.2 Sales & Stock Validation

- **Implement sales entry logic**
- **Realtime validation logic**
- **Integrate with stock records**

1.3.3 UI Enhancements

- **Add error handling**
- **Implement dark mode**
- **Improve UI responsiveness**

1.3.4 Final Testing & Submission

- **Conduct peer testing**
- **Fix reported bugs**

- **Prepare final submission package**
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Level 5: Task Assignments

Mustafa Iqbal

- **Interview stakeholders**
- **Write SRS**
- **Design UI mockups**
- **Implement UI enhancements**

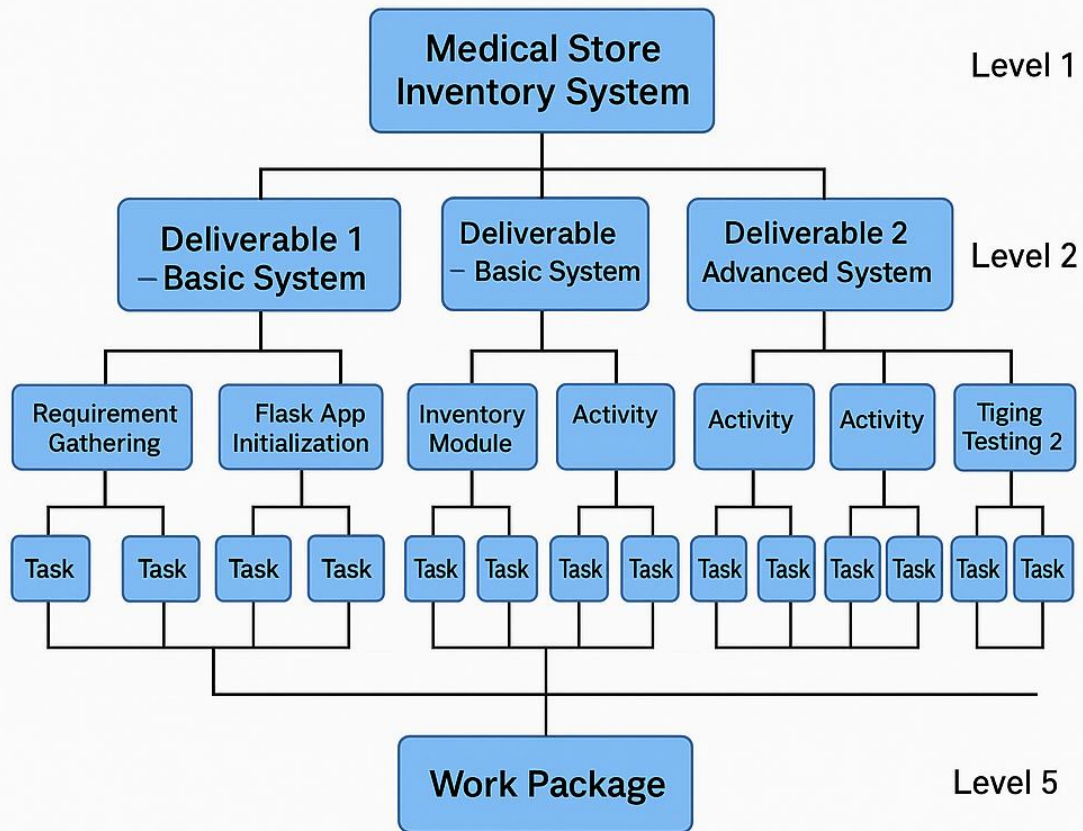
Amaar Khan

- **Configure Trello**
- **Write documentation**
- **Perform final testing**

Saad Nadeem

- **Set up Flask project**
- **Build inventory module**
- **Develop reporting & validation modules**

Hierarchy of WBS



Project Gantt Chart

The Gantt chart below shows the timeline of tasks for Deliverables 1 and 2:

Medical Store Inventory System - Gantt Chart

