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Project Plan

1   Introduction

This document contains information about roles of the team members and details about the development process of the project such as the performance and task size measurements, deployment strategy and iteration phases. A Gantt chart is provided as an appendix for a visual view of the development process.

2   Project organization

Team Member	Software Developer	Software Project Manager	Software Architect	Software Analyst	Software Configuration Manager	Software Tester
Abdussamet Tekin	X		X			
Barış Yıldız	X	X				
Said Çetin	X					X
Muzaffer Berke Savaş	X			X		
Mehmet Oğuz Kocadere	X				X	

3   Development process and measurements

We will follow the agile methodology. The development process is divided into 2-week sprints. Progress will be tracked using sprint backlogs, burndown charts and weekly meetings. Performance will be measured using story points, velocity and sprint completion rates. After each sprint, a sprint review and sprint retrospective will be conducted to evaluate progress and improve the development process.

4   Project milestones and objectives

Phase	Iteration	Primary objectives (risks and use case scenarios)	Scheduled start or milestone	Target velocity
Vision and Project Planning	I1	Objectives 1. Understanding Customer Needs and Interviews 2. Preparing Vision Document 3. Mitigating Risk of Plan Change and Underestimation of Required Time to Develop	1.03.2025 / 8.03.2025	4

		4. Preparing Project Plan Document		
Software Requirements	I2	Objectives 1. Mitigate Risk of Requirement Change 2. Preparing Software Requirements Document 3. Defining Use Cases 4. Defining Test Cases 5. Designing Graphical User Interface	8.03.2025 / 22.03.2025	10
Implementation	I3	Objectives 1. Mitigate Risk of Potential Defect of Reusable Software Components 2. Implementing 3 Use Cases (Finishing %25 of the Project) 3. Preparing Configuration Management Report 4. Preparing Architectural Notebook 5. Preparing Risk Management Document	22.03.2025 / 5.04.2025	21
Design	I4	Objectives 1. Mitigate Risk of Code Not Being Readable Enough and Slowing Down the Implementation 2. Preparing Software Design Document 3. Preparing Coding Standard Document 4. Finishing %50 of The Project	5.04.2025 / 19.04.2025	26
Testing	I5	Objectives 1. Mitigate Risk of Code Repair Wasting Too Much Time and Unreliability of Product	19.04.2025 / 26.04.2025	23

		2. Implementing test cases		
		3. Preparing Software Test Result Report		
		4. Finishing %75 of Project		
Deployment	I5	Objectives 1. Finishing and Deploying the Project	26.04.2025 / 17.05.2025	20

5   Deployment

The transfer of the software to the production environment will be managed with CI/CD (Continuous Integration/Continuous Deployment) processes. Testing and deployment processes will be automated using GitLab CI/CD pipelines, and manual tests will be performed by testing the system as a live system.

ENVIRONMENTS	
Development	Local development environment
Staging	Pre-production environment where CI/CD pipeline automated tests and manual tests are performed.
Production	Live system

DEPLOYMENT STRATEGY	
Update Process	Uninterrupted updates will be provided using the **rolling update** method.
Version Control	Different versions will be created by opening issues on Gitlab, creating different branches and making commits on these branches. The most optimized branch will be selected as the live system and the process will continue in this way by creating new branches from the selected branch according to new needs.

FAILED DEPLOYMENT MANAGEMENT AND THE ACTION FOR FIXING	
Rollback Action	If deployment fails, we will **rollback** to the previous stable version.

MONITORING AND LOGGING	
Monitoring	The system will be put live on a weekly basis and anomaly checks will be performed, and the detected anomalies will be reported by opening the Gitlab issue section. If there is no anomaly, the relevant tasks will be marked as successful.
Logging	System logs will be checked weekly and if a problem is detected, an issue will be submitted to Gitlab with the relevant log and the logs will be documented.

6 Traceability Table

Works/ Team Members	Barış Yıldız	Said Çetin	Abdussamet Tekin	Muzaffer Berke Savaş	Mehmet Oğuz Kocadere
Introduction and Project Organization Sections		X			
Gantt Chart			X		
Traceability Table	X				
Deployment Section					X
Milestones and Objectives Section	X				
Development Process and Measurements Section				X	
Total Effort	2 hours	2 hours	2 hours	2 hours	2 hours

7 Prompts

There is no AI prompt used in the production of this document.

8   Appendix

The Gantt chart of the development process is provided below.