Hungerger

Project Plan

| **REVISIONS** | | | |
| --- | --- | --- | --- |
| **Rev. No** | **Description** | **Date** | **Person** |
| 0.1 | Creating the document | 04.11.2023 | Abdullah |
| 0.2 | The project organization table was added | 08.11.2023 | Aslı |
| 0.3 | The project organization table was filled. Project milestones and objectives are updated | 11.11.2023 | Abdullah, Aslı, Merve, Tarık |
| 0.4 | Review 1 - item 39’s correction was finalized | 25.11.2023 | Merve |
| 0.5 | Lessons Learned section is updated | 16.12.2023 | Abdullah |
| 0.6 | Lessons learned section was improved | 02.01.2024 | Merve |

# Introduction

This document contains the project plan for the Hungerger app, a social media app for creating and sharing recipes online. You can view the details about the iterations and their corresponding objectives. In addition, you can also check the start date and the end date of each iteration.

# Project organization

The team comprises two teams: a Dev team and a quality team. The quality team will include people from our peers who are developing other software products.

The Dev team is responsible for planning and carrying out the project, while the quality team will provide assessments during the iteration review session carried out during the semester.

The instructor is the advisor of this project. His role is to support the dev team if they have any questions.

All members of the Dev team will fulfill different responsibilities during project development. Each of them has some priority tasks concerning their profession and work background. These priorities are given in the table below.

| **Team Member** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Abdullah Talat Ahmed Al-Zariqi | Product Owner  Developer | Creating and managing the backlog  Managing features developed in each iteration  Participating in development activities |
| Aslı Başak Civek | System Security Manager  Analyst | Creating the use cases. Determining the security requirements of the product and ensuring the end product would meet these requirements.  Also, she will contribute to other roles’ responsibilities, such as the development of the back-end and database design. |
| Merve Mavi | Database Manager  Analyst | Development and management of databases. Maintaining data integrity while complying with data regulations. |
| Tarık Demirtaş | Project Manager  Architect | Managing the Business Decisions, Managing the Software and Hardware Architecture |

| **Communication Channels** | **Applicability** |
| --- | --- |
| Zoom Video Conference App. | Applicable for all members |
| Whatsapp Messaging App. | Applicable for all members |
| GitHub Repository | Applicable for all members |

Communication Options: Microsoft Teams

# Project practices and measurements

The Hungerger app project will be following an incremental development paradigm. We will follow the Open Process instructions to carry out this project.

# Project milestones and objectives

| **Iteration** | **Primary objectives** (risks and use case scenarios) | **Scheduled start or milestone** | **Target velocity** |
| --- | --- | --- | --- |
| I1 - Inception | **Objectives**   1. Clarify the business value and the differentiating factors of Hungerger 2. Deliver key use Cases of the app and the main social media functionalities. 3. Decide on the initial requirements of the app, including the non-functional requirements 4. Plan out the project   **Risks To be Mitigated:**   * User Engagement (Risk 3) * Intellectual Property (Risk 4) * Content Quality (Risk 8) * Timeline and Budget (Risk 9) | 31/10/2023 - 14/11/2023 | 25 |
| I2- Elaboration | **Objectives**   1. Start creating database 2. Implement register and login pages 3. Implementing Creating a user profile on Hungerger 4. Implementing Creating a recipe on Hungerger 5. The system will have a home page that will show recipes. 6. Carrying out Domain Modeling   **Risks To be Mitigated:**   * Compliance with Data Protection (Risk 2) * Data Security (Risk 1) * Scalability (Risk 6) * Performance (Risk 7) * Resource Availability (Risk 5) | 14/11/2023 - 28/11/2023 | 25 |
| I3- Elaboration | **Objectives**  1. Finish MySQL database  2. Ensure HTTPS security  3. Authorize admins  4. Implementing Edit recipe  5. Carrying out Domain Modeling  6. Finalizing requirement elicitation  **Risks To be Mitigated:**   * Compliance with Data Protection (Risk 2) * Data Security (Risk 1) * Scalability (Risk 6) * Performance (Risk 7) * Resource Availability (Risk 5) | 28/11/2023-  19/12/2023 | 25 |
| I4 - Construction | **Objectives**   1. Implementing Delete recipe 2. Implementing Display recipe details 3. Implementing logout functionality   **Risks To be Mitigated:**   * Compliance with Data Protection (Risk 2) * Data Security (Risk 1) * Scalability (Risk 6) * Performance (Risk 7) * Resource Availability (Risk 5) | 19/12/2023-  02/01/2023 | 25 |
| I5 - Construction | Objectives   1. Implementing view, delete and edit profile 2. Implementing follow a user 3. Implementing admins send system-wide notifications 4. Create password reset page 5. Implementing rate, comment, search and filter recipe 6. Implementing calculate, show recipe cost 7. Implementing save a recipe for offline viewing   Risks To be Mitigated:   * Compliance with Data Protection (Risk 2) * Data Security (Risk 1) * Scalability (Risk 6) * Performance (Risk 7) * Resource Availability (Risk 5) | 02/01/2023-  13/01/2023 | 25 |
| I6 - Construction | **Objectives** User Personalization & Customization Requirements will be developed.  1. Interfaces to other software shall be provided. 2. Implementing sending DM 3. Admins should be able to reply to complaints 4. Implementing misuse report 5. Implementing blue tick request   **Risks To be Mitigated:**   * Compliance with Data Protection (Risk 2) * Data Security (Risk 1) * Scalability (Risk 6) * Performance (Risk 7) * Integration Complexity (Risk 10) * Multi-language Support (Risk 11) * Resource Availability (Risk 5) | 13/01/2023-  23/01/2023 | 25 |
| IT - Transition | **Objectives**   1. Deploying the Application on production environment 2. Finalizing quality tests 3. Train admin users.   **Risks To be Mitigated:**   * Scalability (Risk 6) * Performance (Risk 7) * Integration Complexity (Risk 10) * Multi-language Support (Risk 11) * Resource Availability (Risk 5) |  |  |

# Deployment

The project will be updated on a release-based plan. We are going to add additional functionalities after each release. Updates are also going to be carried out based on major releases.

The app will be deployed on Github Pages, and the components will be deployed on AWS using Docker.

# Lessons Learned

Increasing Meeting Frequency for Enhanced Collaboration: To foster a more effective project development process, it’s beneficial to consider more regular team meetings. These could be daily meetings.

Enhanced Preparation for Meetings: To maximize the productivity of our meetings, each team member should aim to come better prepared.

Collaborative Editing for Document Consistency: To ensure consistency and avoid redundancy across our project documentation, a co-editing approach should be adopted.

Early Allocation of Responsibilities: It's important to divide the project responsibilities as soon as possible. This early start will allow more time for the other parts of the project.

Adapting to Team Velocity in Sprint Planning: Understanding and adapting to the actual pace the team is able to work (team velocity) is key in planning future sprints. This adjustment will lead to more realistic goals and improve the quality of our deliverables.

Streamlining Use Cases for Better Effort Estimation: To improve our efficiency in estimating efforts, it's important to eliminate any inconsistencies in the use cases. By clearly defining and understanding each use case, we can make more accurate predictions about the time and resources needed.

Revising Work Items in Future Iterations: Continuously revisiting and adjusting the work items in coming iterations can improve our project management. This practice ensures that our planning reflects the tasks’ real-world complexities and time requirements.