HAPPY FOOD

Software Development Plan

Version <1.1>

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 17/10/2021 | 1.0 | * Install tool for project * Set up Github * Learn HTML, CSS, Java | All members. |
| 29/10/2021 | 1.1 | * Code Login/Logout * Code Registry * Reset/Forgot password * Code review post * Code menu | Nguyen Son  Pham Ngoc Anh  Hoang Duc Quang |

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Software Development Plan

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# Introduction

## Purpose

The purpose of the *Software Development Plan* is to gather all information necessary to control the project. It describes the approach to the development of the software and is the top-level plan generated and used by managers to direct the development effort.

The following people use the *Software Development Plan*:

* The **project manager** uses it to plan the project schedule and resource needs and to track progress against the schedule.
* **Project team members** use it to understand what they need to do when they need to do it, and what other activities they are dependent upon.

## Scope

This *Software Development Plan* describes the overall plan to be used by the **HAPPY FOOD** project, including deployment of the product. The details of the individual iterations will be described in the Iteration Plans.

The plans as outlined in this document are based upon the product requirements as defined in the *Vision Document*.

## Definitions, acronyms, abbreviations

None.

## References

* Instruction video for this document (Cre: Teacher Ho Tuan Thanh): [Link](https://www.youtube.com/watch?v=FS125VoBlro&list=PL3Bp9JDvkAra8rRrUPOpfKdKvJ6-okqaw&index=10)
* Document reference: [Link](https://sceweb.uhcl.edu/helm/RUP_course_example/courseregistrationproject/indexcourse.htm)

## Overview

This *Software Development Plan* contains the following information:

* Project Overview — provides a description of the project's purpose, scope, and objectives.  It also defines the deliverables that the project is expected to deliver.
* Project Organization — describes the organizational structure of the project team.
* Management Process — explains the estimated cost and schedule, defines the major phases and milestones for the project and describes how the project will be monitored.

# Project Overview

## Project Purpose, Scope, and Objectives

* **Purpose:** We often find food reviews on Facebook groups, and this is inconvenient because it is not clearly categorized, and it takes us a long time to get the dishes we need to see reviews. Besides, we also waste a lot of time to see if there is any good food in the place where we live. Therefore, we decided to develop a food review app to make it more convenient for people to find delicious food and it's called **HAPPY FOOD**.
* **Scope:**
* **Target users:** People who want to check the rating, review, comment on the food which they want to eat or they ate.
* **Environment:**
  + IDE: Android Studio
  + Platforms: Android.
  + Language: Java.
* **Objectives:** Become a convenient, easy-to-use, and least time-consuming delicious food search application for everyone.

## Assumptions and Constraints

* Project is based on the advice of a friend who has a love for food.
* Project has a fixed schedule of 12 weeks.
* Project follow RUP process and Scum.
* Zero-budget project.
* Team has 4 members, there will be no more people added during the project.

## Project Deliverables

* Deliverables for each project phase are identified in the Development Case. Deliverables are delivered towards the end of the iteration, as specified in section *4.2.3 Project Schedule.*
* The output of the project: HAPPY FOOD App for android mobile, documents.
* Current documents and project status:
  + HAPPY FOOD: Version 1.1.
  + Software Development Plan: Submission date: 30/10/2021.
  + Vision: Submission date: 30/10/2021.
  + Weekly report: Every week with project progress.
    - * The following deliverables will be produced during the project:
        + Use case document.
        + Test plan.
        + Source code.
        + Test cases.
        + Demo version.

# Project Organization

## Organizational Structure



## Roles and Responsibilities

| **Person** | **Roles** |
| --- | --- |
| Doan Nguyen Huong Lan | Project Manager, Business Analyst, Designer |
| Pham Ngoc Anh | Developer, Tester |
| Hoang Duc Quang | Developer, Tester |
| Nguyen Son | Developer, Technical Architect |

| **Role** | **Responsibilities** |
| --- | --- |
| Project Manager | * Write project plan (including assign tasks). * Monitor and report status (weekly report). * Coordinate meetings. * Contact point for the project. |
| Developer | * Write source code. * Perform unit test. * Review source code. |
| Designer | * Design the system (components, classes, databases, etc.). * Design user interface. * Create Software Architecture Document. |
| Tester | * Write test plan and test cases. * Perform system test. * Find bugs. |
| Technical Architect | * Decide language code, environment. * Help source code. * Manage Developer level. |
| Business Analyst | * Document requirements (interview customers, etc.). * Communicate with team members about the requirements. |

# Management Process

## Project Estimates

None.

## Project Plan

### **Phase and Iteration Plan**

| **Phase** | **Sprint** | **Activities** | **Start date** | **End date** |
| --- | --- | --- | --- | --- |
| **Inception** | Sprint 0 | * Project plan. * Vision document. * Weekly report. | 03/10/2021 | 16/10/2021 |
| **Elaboration** | Sprint 1 | * Revised project plan. * Revised vision document. * Use case document with a revised use case model. * Design document (including UI prototypes, architecture document). * Test plan. * Weekly reports and prototypes. | 17/10/2021 | 30/10/2021 |
| Sprint 2 | 31/10/2021 | 13/11/2021 |
| **Construction** | Sprint 3 | * Revised artifacts submitted in Elaboration. * Test cases. * Source code/prototype. * Test report. * Defects. * Weekly reports. | 14/11/2021 | 27/11/2021 |
| Sprint 4 | 28/11/2021 | 11/12/2021 |
| **Final submission** | Presentation | Presentation, Demo code. | 12/12/2021 | 25/12/2021 |

### **Releases**

*[A brief description of each software release and whether it’s demo, beta, and so on.]*

### **Project Schedule**

Project Schedule details in \_\_\_\_\_\_\_.

## Project Monitoring and Control

### **Reporting**

* Weekly Reports.
* Weekly Meeting.
* Informal Chats.

### **Risk Management**

*[Identify risks in your project. The risks should be prioritized, and shorted according to their priority.]*

| **Risk ID** | **Risk Description** | **Probability** | **Impact** | **Priority** | **Mitigation Strategy or Contingency Plan** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |

### **Configuration Management**

* Slack for discussion, research and database file submissions.
* Trello for the following progress.
* Google drive. for storing and sharing documents and files.
* Github for managing source code and related files.
* Firebase Database for application’s database.