USCoffee
Software Development Plan
Version <1.0>

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Revision History

Date	Version	Description	Author
24/06/2023	<1.0>	First version of the project plan	<name>

Table of Contents

Software Development Plan

1.　　Introduction

　　　Software Development Plan provides an overview of the entire document. It includes the purpose, scope, definitions. Acronyms, abbreviations, references, and overview of this Software Development Plan

2.　　Project Overview

2.1　Project Purpose, Scope, and Objectives

　　　The purpose of this project is to develop a website for selling coffee products online. The website will provide customers with a user-friendly interface to browse and purchase a variety of coffee products. The key objectives of the project are as follows:

- Design and develop an attractive and responsive website that showcases different coffee products and their descriptions.

- Create a user registration and login system to personalize the shopping experience and enable order tracking.

- Incorporate a search functionality to allow customers to easily find specific coffee products based on various criteria such as type, flavor, or origin.

- Complete the project within the allocated time frame and budget.

2.2　Assumptions and Constraintts

Assumptions:

- The project team will have access to the necessary hardware, software, and development tools.

- The content and images for the coffee products will be provided by the client.

- Project has 4 people, there will be no more people added during the project.

- The website will be developed using a specific programming language and framework as determined by the project team.

Constraints:

- The project budget is limited and should be carefully managed.

- The development team will consist of 2 developers and 2 designers.

- The website should be compatible with the client's existing backend structure.

2.3　Project Deliverables

The following deliverables are expected upon the completion of the project:

- Enough functional and responsive website for selling coffee products.

- User registration and login system with personalized user profiles.

- Administration panel for managing product inventory and orders.

3.   Project Organization

3.1 Organizational Structure
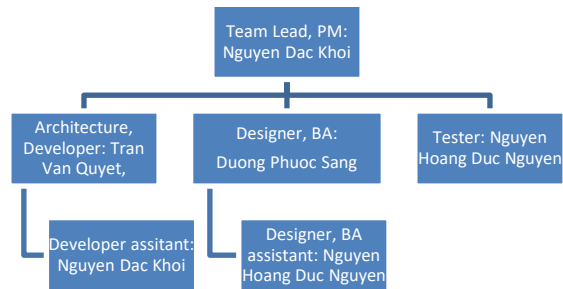
3.2 Roles and Responsibilities

Person	Role
Nguyen Dac Khoi	Project Manager, Developer (member)
Tran Van Quyet	Architecture, Developer (leader)
Duong Phuoc Sang	Designer (leader), BA (leader)
Nguyen Hoang Duc Nguyen	Tester, Designer (member), BA (member)

4.   Management Process

4.1 Project Estimates

4.2 Project Plan

4.2.1 Phase and Iteration Plan

Phase and Iteration Plan
        The project consists of 4 phases: Inception, Elaboration and Construction, Transition
Inception:
-    Sprint 1
-    Start: 11/06/2023
-    End: 24/06/2023
-    Task: Research and write the first version of Project Plan and Vision Document, learning how to set up JS in IDE

	Task	Sprint 1													
		11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Sprint reviewing													▦	
2	Weekly scrum meeting			▦								▦			
3	Sprint Planning													▦	
4	Vision Document												▦	▦	▦
5	Software Development Planning Document												▦	▦	▦
6	Setting up js in IDE					▦	▦	▦	▦						

Elaboration:
- Sprint 2 & 3
- Start: 25/06/2023
- End: 22/07/2023
- Task:
  + Modify, fix the issues, revised project plan follows TA's opinion.
  + Use-case document and use-case model.
  + Define software architecture using class diagram.

	Task	Sprint 2													Sprint 3												
		25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Sprint reviewing																												
2	Weekly scrum meeting																												
3	Sprint planning																												
4	Design Database																												
5	Modify, fix the issues, revised project plan																												
6	Use-case document and use-case model																												
7	Sprint reviewing																												
8	Weekly scrum meeting																												
9	Sprint planning																												
10	Define software architecture using class diagram																												

Construction:
- Sprint 4 & 5
- Start: 23/07/2023
- End: 19/08/2023
- Task:
  + Revised version of Software Architecture Document.
  + Sketch user interface for the system by designing UI.
  + Write test plan.
  + Implement and design test cases.
  + Release the first version of project.

	Task	Sprint 4													Sprint 5												
		23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Sprint reviewing																												
2	Weekly scrum meeting																												
3	Sprint planning																												
4	Revised version of Software Architecture Document																												
5	Design UI																												
6	Sprint reviewing																												
7	Weekly scrum meeting																												
8	Sprint planning																												
9	Testing (Include writing test plan)																												
10	Release the first version																												

Transition:
- Sprint 6
- Start: 20/08/2023
- End: 02/09/2023
- Task:
  + Jot down test summary report.
  + Implement automated testing.
  + Release the final version of the product.
  + Project presentation.

	Task	Sprint 6													
		6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Sprint reviewing														
2	Weekly meeting														
2	Implementing automated testing														
4	Presentation														

Note: This plan is temporarily missing the program implementation because we couldn't be sure what features, what function we will code in each phase. We apologize for omission and we will add as soon as possible.

4.2.2 Releases

There will be 2 versions to be released:

- The first version will be released during the process of doing PA5.

- The final version will be released in the presentation of PA6.

4.3 Project Monitoring and Control

4.3.1 Reporting

- For discussing, reporting tasks among members, we use Discord and Messenger

- We use Facebook for asking TAs some questions related to project.

- We use Trello for planning and assigning tasks for members.

4.3.2 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

4.3.3 Configuration Management

- For storing documents and project reports, we use Google Drive follow instructions of TAs.

- For managing source code and related files, we use GitHub.

- And discord is also used as a place to store code, ideas, …