Alpha-SE

EBook4U
Software Development Plan
Version <1.1>

Revision History

Date	Version	Description	Author
20/10/2022	1.0	Create requirements document (PA0)	Vu Hoang Phuc
27/10/2022	1.1	Write Software Developing Plan	Vu Hoang Phuc

Table of Contents

Software Development Plan

-

1. Introduction

This document describes the development step by step. It covers planning, ideation, development, deployment, launch and maintenance.

-

2. Project Overview

2.1 Project Purpose, Scope, and Objectives

- **Purpose:** Provide a website for people to read books online.
- **Scope:** Everyone can access and read books easily.
- **Objectives:** Create a website to read books online.

2.2 Assumptions and Constraints

- Project has 5 people, there will be no more people added during the project.
- The project will be completed on time.
- Team members have skills about html, css, javascript, nosql, git.
- Each sprint will occur in about 2 weeks.
- The technology used: coding in IDE Visual Studio Code, managing source in GitHub, meeting in google meet, creating documents in Microsoft word.
- Zero-budget project.
- The project will be done in 3 months.
- Environment working: remote, sometime offline to meet and discuss.
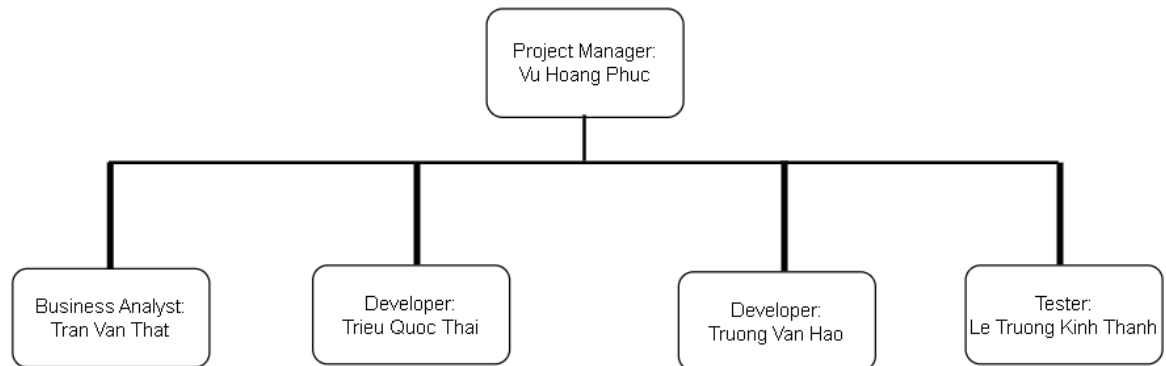
2.3 Project Deliverables

- Weekly Report: every 2 weeks
- Requirements Preview: 20/10/2022
- Vision document: 2/11/2022
- Developing plan: 2/11/2022
- Design, Data Model: 16/11/2022
- UI Design Finish: 29/11/2022
- Test Plan: 26/12/2022
- Project Deliver dates: 28/12/2022

3. Project Organization

3.1 Organizational Structure

3.2 Roles and Responsibilities

Person	Role
Vu Hoang Phuc, Project Manager	Write project plan(including assign tasks) Monitor and report status (sprint report) Coordinate meetings Contact point for the project
Tran Van That, BA	Document requirement (interview customer,etc) Communicate with team members about the requirements Coordinate to review requirements
Le Truong Kinh Thanh, Tester	Execute and log the tests, evaluate the results and document problems found
Trieu Quoc Thai, Developer	Writing and implementing software code Managing software
Truong Van Hao, Developer	Writing and implementing software code Managing software

4. Management Process

4.1 Project Estimates

4.2 Project Plan

4.2.1 Phase and Iteration Plan

5 phases of the project:

Inception:

PA1 (21/10/2022 - 02/11/2022): Project plan, vision document, weekly report

Elaboration:

PA2: (03/11/2022 - 16/11/2022)

PA3: (17/11/2022 - 30/11/2022)

       Revised project plan, vision document

       Use case document with a revised use case model

       Design document (including UI prototypes, architecture document)

       Test plan

       Weekly reports

Construction:

PA4: (01/12/2022 - 14/12/2022)

PA5: (15/12/2022 - 28/12/2022)

       Revised artifacts submitted in Elaboration

       Test cases

       Source code

       Test report

       Defects

       Weekly reports

       Presentation + Demo

4.2.2 Releases
- Demo : Complete basic of website interface, basic functions such as reading books, evaluating
- Beta: Provide user testing experience, categorizes and offers more books

4.2.3 Project Schedule

Tasks	Date
Evaluate requirement	20/10/2022
Write Project plan and Vision document	27/10/2022
Design	12/11/2022
Complete UI	26/11/2022
Connecting Server	12/12/2022
Testing software	24/12/2022
Project Delivery	28/12/2022

4.3 **Project Monitoring and Control**

4.3.1 Reporting

- Meeting online
- Chatting in slack,messenger

4.3.2 Risk Management

Risk ID	Risk Description	Probability	Impact	Risk Exposure	Priority	Mitigation Strategy or Contingency Plan
				=Probability * Impact		

4.3.3 Configuration Management

- Google Drive for storing and sharing documents and files
- Github to manage source code and related files
- Google Meet for meeting and discussing
- Jira for assigning the task
- Slack for chatting and discussing
- Figma for designing UX/UI
- Visual Studio Code for coding
- Trello to schedule the task