Website for Study

Version 4.0

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <01/11/22> | <1.0> | <PA1> | <PTA,TKD> |
| <16/11/22> | <2.0> | <PA2> | <PTA,TKD> |
| <30/11/22> | <3.0> | <PA3> | <TKD> |
| <14/12/22> | <4.0> | <PA4> | <TKD> |

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# Introduction

Mục đích của Software Development Plan là để tổng hợp thông tin cần thiết để vận hanh dự án. Nó mô tả cách tiếp cận, kế hoạch dự án,…

Software Development Plan được dùng bởi:

* + - Project manager dùng để lập kế hoạch, kiểm tra tiến độ
    - Thành viên khác của dự án dùng để xem các công việc cần làm, thời hạn,…

# Project Overview

## Project Purpose, Scope, and Objectives

Mục tiêu của Project là tạo được sản phẩm.

## Assumptions and Constraints

Project được thực hiện trong 11 tuần

Project không có chi phí

Project có 3 thành viên

## Project Deliverables

Các phần chuyển giao được của mỗi giai đoạn trong dự án được xác định trong Development Case.

|  |  |  |
| --- | --- | --- |
| **Sản phẩm** | **Ngày bàn giao lần 1** | **Ngày bàn giao lần 2** |
| Software Development Plan | 02/11/2022 | 16/11/2022 |
| Vision Document | 02/11/2022 | 16/11/2022 |
| Use-case Model | 16/11/2022 |  |
| Use-case Specification | 16/11/2022 | 30/11/2022 |
| Software Architecture Document | 30/11/2022 | 14/12/2022 |
| Class Diagrams | 30/11/2022 |  |
| UI Prototype | 14/12/2022 |  |
| Test plan and test cases | 14/12/2022 |  |
| Source code Build | 14/12/2022 | 21/12/2022 |
| Release | 14/12/2022 | 21/12/2022 |
| Demo | 28/12/2022 |  |
| Weekly report | 26/10/2020, 02/11/2022, 09/11/2022, 16/11/2022, 23/11/2022, 30/11/2022, 07/12/2022, 14/12/2022, 21/12/2022, 28/12/2022. |  |

# Project Organization

## Organizational Structure

## Roles and Responsibilities

|  |  |
| --- | --- |
| **Person** | **Role** |
| Phan Trường An | Team Lead, Developer, Tester |
| Tào Khánh Duy | Project Manager, Developer, Tester |
| Nguyễn Thị Bích Hà | Business Analyst, Developer, |

# Management Process

## Project Estimates

## Project Plan

### Phase and Iteration Plan (Gantt chart và file exel sẽ được đính kèm vào thư mục nộp)

### WBS: Hình ảnh WBS sẽ được đính kèm trong thư mục nộp để dễ xem hơnDiagram, schematic Description automatically generated

*Hình: WBS*

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Name** | **Duration** | **Start** | **Finish** |
| **1. Inception Phase (1 sprint)** | **13 days – 2 weeks** | **21/10/2022** | **02/11/2022** |
| **Sprint 1: PA1** | **13 days – 2 weeks** | **21/10/2022** | **02/11/2022** |
| Project plan | 6 days | 21/10/2022 | 26/10/2022 |
| Vision document | 6 days | 21/10/2022 | 26/10/2022 |
| Learn HTML + CSS +JS  (Basic) | 6 days | 27/10/2022 | 02/11/2022 |
| Learn Figma  (Basic) | 6 days | 27/10/2022 | 02/11/2022 |
| Weekly report 1 | 2 days | 01/11/2022 | 02/11/2022 |
| **2. Elaboration Phase (2 sprint)** | **28 days – 4 weeks** | **03/11/2022** | **30/11/2022** |
| **Sprint 2 : PA2** | **14 days – 2 weeks** | **03/11/2022** | **16/11/2022** |
| Revised project plan + Revised vision document | 7 days | 03/11/2022 | 09/11/2022 |
| Learn HTML + CSS + JS + Jquery  (Advanced) | 5 days | 03/11/2022 | 07/11/2022 |
| Learn Figma + UI/UX | 4 days | 03/11/2022 | 06/11/2022 |
| Use case document with a revised use case model | 7 days | 10/11/2022 | 16/11/2022 |
| Write code (Font end) | 7 days | 10/11/2022 | 16/11/2022 |
| Learn Python web development + Database  (Basic) | 7 days | 10/11/2022 | 16/11/2022 |
| Weekly report 2 | 2 days | 15/11/2022 | 16/11/2022 |
| **Sprint 3 : PA3** | **14 days – 2 weeks** | **17/11/2022** | **30/11/2022** |
| Design document (including UI, prototypes, architecture document) | 7 days | 17/11/2022 | 23/11/2022 |
| Learn Python web development + Database  (Advanced) | 7 days | 17/11/2022 | 23/11/2022 |
| Write code  (Backend) | 7 days | 24/11/2022 | 30/11/2022 |
| Test plan | 7 days | 24/11/2022 | 30/11/2022 |
| Weekly report 3 | 2 days | 29/11/2022 | 30/11/2022 |
| **3. Construction Phase (2 sprint)** | **28 days – 4 weeks** | **01/12/2022** | **28/12/2022** |
| **Sprint 4 : PA4** | **14 days – 2 weeks** | **01/12/2022** | **14/12/2022** |
| Revised artifacts submitted in Elaboration | 7 days | 01/12/2022 | 07/12/2022 |
| Write code  + Debug | 14 days | 01/12/2022 | 14/12/2022 |
| Source code (Complete) | 2 days | 13/12/2022 | 14/12/2022 |
| Test case | 7 days | 08/12/2022 | 14/12/2022 |
| Weekly report 4 | 2 days | 13/12/2022 | 14/12/2022 |
| **Sprint 5 : PA5** | **14 days – 2 weeks** | **15/12/2022** | **28/12/2022** |
| Test report | 7 days | 15/12/2022 | 21/12/2022 |
| Defects | 7 days | 15/12/2022 | 21/12/2022 |
| Presentation + Demo | 7 days | 15/12/2022 | 21/12/2022 |
| Weekly report 5 | 2 days | 20/12/2022 | 21/12/2022 |
| **Final review** | **7 days** | **22/12/2022** | **28/12/2022** |
| Presentation + Demo  (Complete) | 7 days | 22/12/2022 | 28/12/2022 |
| **Final submission** | **7 days** | **22/12/2022** | **28/12/2022** |

***Gantt chart (Phase and Iteration Plan) :***

*Gantt chart (Phase and Iteration Plan)*

### Releases

* + - * 18/11/2022, Hoàn chỉnh UI/UX.
      * 13/12/2022, Hoàn chỉnh Website.
      * 14/12/2022, Phiên bản beta để thử nghiệm, sửa lỗi và nâng cấp lần cuối.
      * 16/12/2022, Phiên bản hoàn thiện và demo sản phẩm.
      * 22/12/2022, Phiên bản cuối cùng và demo sản phẩm cuối cùng.

### Project Schedule: Gantt chart và file exel sẽ được đính kèm trong thư mục nộp để dễ quản lý

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Task Name** | **Duration** | **Start** | **Finish** | **Member** | **Priority** | **Status** |
| Complete project execution | 10 weeks | 21/10/2022 |  | PTAn, TKDuy, NTBHa |  | In Process |
| 1. **Inception (1 sprint – 2 weeks)** | | | | | | |
| **Sprint 1: PA1** | **13 days – 2 weeks** | **21/10/2022** | **02/11/2022** | **PTAn, TKDuy, NTBHa** |  | **Done** |
| Project plan | 6 days | 21/10/2022 | 26/10/2022 | PTAn,  TKDuy | High | Done |
| Vision document | 6 days | 21/10/2022 | 26/10/2022 | NTBHa | High | Done |
| Learn HTML + CSS +JS  (Basic) | 6 days | 27/10/2022 | 02/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Learn Figma  (Basic) | 6 days | 27/10/2022 | 02/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Weekly report 1 | 2 days | 01/11/2022 | 02/11/2022 | PTAn | Medium | Done |
| 1. **Elaboration (2 sprints – 4 weeks)** | | | | | | |
| **Sprint 2 : PA2** | **14 days – 2 weeks** | **03/11/2022** | **16/11/2022** | **PTAn, TKDuy, NTBHa** |  | **Done** |
| Revised project plan + Revised vision document | 7 days | 03/11/2022 | 09/11/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Learn HTML + CSS + JS + Jquery  (Advanced) | 5 days | 03/11/2022 | 07/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Learn Figma + UI/UX | 4 days | 03/11/2022 | 06/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Use case document with a revised use case model | 7 days | 10/11/2022 | 16/11/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Write code (Font end) | 7 days | 10/11/2022 | 16/11/2022 | TKDuy | High | Done |
| Learn Python web development + Database  (Basic) | 7 days | 10/11/2022 | 16/11/2022 | PTAn, TKDuy, NTBHa | Low | Done |
| Weekly report 2 | 2 days | 15/11/2022 | 16/11/2022 | PTAn | Medium | Done |
| **Sprint 3 : PA3** | **14 days – 2 weeks** | **17/11/2022** | **30/11/2022** | **PTAn, TKDuy, NTBHa** |  | **Done** |
| Design document (including UI, prototypes, architecture document) | 7 days | 17/11/2022 | 23/11/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Learn Python web development + Database  (Advanced) | 7 days | 17/11/2022 | 23/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Write code  (Backend) | 7 days | 24/11/2022 | 30/11/2022 | PTAn, TKDuy, NTBHa | Medium | Done |
| Test plan | 7 days | 24/11/2022 | 30/11/2022 | PTAn, TKDuy | High | Done |
| Weekly report 3 | 2 days | 29/11/2022 | 30/11/2022 | NTBHa | Medium | Done |
| 1. **Construction (2 sprints – 4 week)** | | | | | | |
| **Sprint 4 : PA4** | **14 days – 2 weeks** | **01/12/2022** | **14/12/2022** | **PTAn, TKDuy, NTBHa** |  | **Done** |
| Revised artifacts submitted in Elaboration | 7 days | 01/12/2022 | 07/12/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Write code  + Debug | 14 days | 01/12/2022 | 14/12/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Source code (Complete) | 2 days | 13/12/2022 | 14/12/2022 | PTAn, TKDuy, NTBHa | High | Done |
| Test case | 7 days | 08/12/2022 | 14/12/2022 | PTAn, TKDuy | Medium | Done |
| Weekly report 4 | 2 days | 13/12/2022 | 14/12/2022 | NTBHa | Medium | Done |
| **Sprint 5 : PA5** | **14 days – 2 weeks** | **15/12/2022** | **28/12/2022** | **PTAn, TKDuy, NTBHa** |  | **Not Started** |
| Test report | 7 days | 15/12/2022 | 21/12/2022 | PTAn, NTBHa | High | Not Started |
| Defects | 7 days | 15/12/2022 | 21/12/2022 | TKDuy, NTBHa | High | Not Started |
| Presentation + Demo | 7 days | 15/12/2022 | 21/12/2022 | PTAn, TKDuy, NTBHa | High | Not Started |
| Weekly report 5 | 2 days | 20/12/2022 | 21/12/2022 | NTBHa | Medium | Not Started |
| **Final review** | **7 days** | **22/12/2022** | **28/12/2022** | **PTAn, TKDuy, NTBHa** | **High** | **Not Started** |
| Presentation + Demo  (Complete) | 7 days | 22/12/2022 | 28/12/2022 | TKDuy, NTBHa | High | Not Started |
| **Final submission** | **7 days** | **22/12/2022** | **28/12/2022** | **PTAn** | **High** | **Not Started** |

* + - * **Gantt Chart (Project Schedule):**

## Project Monitoring and Control

### Reporting

* Weekly meeting:
  + Online: Zoom / GG meet
  + Offline: Trưa thứ 7 hàng tuần
* Informal chats:
  + Nhóm 2 NMCNPM trên FB messenger
  + Slack nhóm 2

### Risk Management

### Configuration Management

* + - Nhóm sử dụng Github để lưu trữ và chia sẻ mã nguồn, tệp: