Comnhalam.com

Version 1.0.1

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| October 31, 2018 | 1.0.0 | Initial version | Trần Hải Phong |
| November 8, 2018 | 1.0.1 | Detail for schedule and project plan | Trần Hải Phong |
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# Introduction

* 1. **Purpose**

The purpose of the *Software Development Plan* is to manage all information necessary to control the project. It describes and analyzes the approach to the development of the software in the top-level generated and used by manager 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 need, and to track the progress against the schedule.
* The project members: use it to understand what they need to do exactly, when they need to do it and what other activities that they are dependent on.

**1.2 Scope**

This *Software Development Plan* describes the overall plan to be used by the comnhalam.com project including the development of the product. It helps the manager to control and estimate the time that this project could take.

**1.3 Overview**

This *Software Development Plan* contains the following information:

* Project Overview - provides a description of the project: purpose, scope and objective. It also defines the deliverables that the project is expected to deliver.
* Project Organization – describes the organizational structure, role and responsibilities of the project team.
* Management Process – provides the estimated cost and schedule for the project, as well as the basis for those estimates, and the points and circumstances in the project when re-estimation will occur.

# Project Overview

## Project Purpose, Scope, and Objectives

### **Purpose**

The main purpose of this project is to create a selling food website where any citizen can use to sell or order meals.

The sellers can be housewives, people who do not have health enough to get a job or also people who have a passion for cooking, but they do not have too much money to build stores. Base on the website, sellers are going to cook meals for their family but in larger quantity as usual, and then they also can use a part and sell another part. This system guarantees that meals are safe and fresh.

The buyer of the website is anyone who have the need. For example, buyers are college students who live far away from their home and want to eat family meals or they can be officers who are too busy with their work and do not have time enough to cook or go to somewhere to eat.

### **Scope**

The project comnhalam.com is a selling food website application. It runs on browsers such as Chrome, Cốc Cốc, etc., only. Every user can use browsers to approach it.

The language of the website is Vietnamese only and the system serves citizens living in Ho Chi Minh city only.

### **Objective**

Here is the list of the objectives of the system:

# Comfortable and friendly layouts.

# Easily using for old users.

# Ordering process must be as simple as possible

## Assumptions and Constraints

Here is the list of assumptions that this plan is based and any constraints:

* Project has a fixed schedule of 10 weeks.
* Zero-budget project.
* Project has 5 people, there will be no more people added during the project.
* Each member has their own roles and have no any change during the project.

# Project Organization

## Organizational Structure

## Roles and Responsibilities

|  |  |
| --- | --- |
| **PERSONS**  **Trần Trọng Phúc**, Project Manager, Developer, Test Manager  **Trần Hải Phong**, Business Analyst, Designer, Tester  **Nguyễn Anh Huy**, Business Analyst, Designer, Developer  **Trình Đại Phúc**, Developer, Tester  **Trần Minh Nhựt**, Developer, Tester | **ROLES**  Analyses user requirements, plans the project schedule, controls and keeps track of the progress against the schedule, designs database, trains team back-end developers to understand framework used in the project, programs the product as a back-end developer.    Writes report documents (Vision, project plan and weekly document), analyses user requirements, the features of the system, designs database and UI/UX of the system.  Analyses user requirements, designs UI/UX as well as the features of the product and programs the product as a front-end developer.  Programs the product as a back-end developer, writes test case and tests the website follow the test case.  Programs the product as a back-end developer, writes test case and tests the website follow the test case. |

# Management Process

## Project Estimates

Zero-budget project

Time: 10 weeks

## Project Plan

### Phase and Iteration Plan

Sprint 1: Inception (2 weeks)

Sprint 2: Elaboration (2 weeks)

Sprint 3: Construction (2 weeks)

Sprint 4: Construction and Testing (a month)

1 week

### Releases

**In-house Beta release:** The first full-system release, it would be used to test before presenting to users.

**Client’s Beta release:**  the second full-system release, it would be used by client to provide some feedbacks.

**RC release:** the third full-system release, it would be used by client after handling all of their feedbacks.

**Final release:** Complete and usable system for users, it would be operated immediately.

### Project Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **Tasks** | **Start dates** | **End dates** | **Responsibilities** |
| Creating team and register all tools used in the project, discuss the topics | 11/10/2018 | 16/10/2018 | All members |
| Choosing the topic, create groups (Trello, Slack, Bitbucket) | 16/10/2018 | 17/10/2018 | Tran Trong Phuc |
| Writing proposal of the topic | 17/10/2018 | 25/10/2018 | Tran Hai Phong |
| Discuss which programming language and framework would be used in the project. | 17/10/2018 | 26/10/2018 | Tran Trong Phuc |
| Analyzing user requirements | 25/10/2018 | 04/11/2018 | Nguyen Anh Huy |
| Design database | 25/10/2018 | 31/10/2018 | Tran Trong Phuc |
| Writing vision document, project plan | 25/10/2018 | 04/11/2018 | Tran Hai Phong |
| Training team members | 26/10/2018 | 4/11/2018 | Tran Trong Phuc |
| Design user case | 30/10/2018 | 8/11/2018 | Nguyen Anh Huy |
| Draw use-case diagram | 30/10/2018 | 8/11/2018 | Tran Trong Phuc, Tran Hai Phong |
| Planning building the system schedule | 8/11/2018 | 12/11/2018 | Tran Trong Phuc |
| Building the system (updating details) | 12/11/2018 | 13/12/2018 | All members |
| Testing the system (and debugging) | 13/12/2018 | 18/12/2018 | Tran Trong Phuc, Trinh Dai Phuc, Tran Minh Nhat |
| Finishing | 18/12/2018 | 21/12/2018 | Tran Trong Phuc |

## Project Monitoring and Control

### Reporting

* Weekly meeting: on class every day
* Weekly status report: on track

### Risk Management

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk ID | Risk Description | Probability | Impact | Priority | Mitigation Strategy or Contingency Plan |
| 1 | 4/5 members of team do not have experience in Java’s Spring framework | 80% | It makes the process of implementing system more slow down | High | Team leader is going to train the framework for team members |
| 2 | Having other projects needing to finish | 70% | It takes much time to do, cannot have enough time to do the project as deep as possible. | High | Team members have to divide learning time logically. |
| 3 | Do not experience of designing UI/UX | 80% | It takes a lot of mistakes and the UI/UX has many defects. | High | It takes design team much time to research and ask seniors and TAs to make the UI/UX of the system as best as possible. |

### Configuration Management

Here is the information of tools used for storage and sharing source code and files:

* Bitbucket: for management source code and related files.
* Slack: for online meeting and discuss, sharing report.