Travelus

Software Development Plan

Version 1.0

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 10/06/2023 | 1.0 | Initial version | Nguyễn Phúc Thịnh |
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Software Development Plan

# Introduction

The purpose of this Software Development Plan is to define the development activities in terms of the phases and iterations required for implementing a travel booking website namely Travelus.

# Project Overview

## Project Purpose, Scope, and Objectives

This project will implement a booking website which is named Travelus. It provides many tours for customers. It includes location, price, and some information about the tour.

At the beginning, our target users will be students in the University of Science.

## Assumptions and Constraints

The system must meet all the following requirements:

* Project duration: 03/06/2023 - 02/09/2023.
* The project is a website or a mobile application following a client-server model.
* Database management project’s functional features:
  + Listing/Searching
  + View item details
  + Add a new item/multiple items
  + Update an existing item/existing items
  + Delete an item/multiple items
  + Calculating/Reporting
* Common users in the project: guest, logged in user, admin, moderator, customer, etc.

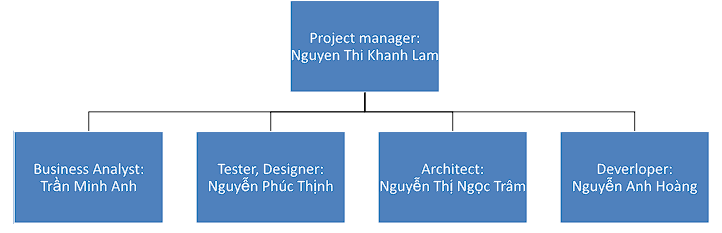
## Project Deliverables

The following deliverables will be produced during the project:

* Business Use Cases
* Business Use Case Survey
* Glossary
* Supplementary Specifications
* User Interface Prototype
* Use Case Survey
* Data Model
* Design Model
* Database Design
* Software Architecture Document
* Implementation Subsystem
* Test Package
* Change Requests
* Test Summary

# Project Organization

## Organizational Structure



## Roles and Responsibilities

| **Member** | **Role** | **Mail** | **Phone** | **Notes** |
| --- | --- | --- | --- | --- |
| Trần Minh Anh | Business Analyst,  Front-end Designer | tmanh21@clc.fitus.edu.vn | 0387400741 |  |
| Nguyễn Anh Hoàng | Back-end Developer | nahoang21@clc.fitus.edu.vn | 0933927628 |  |
| Nguyễn Phúc Thịnh | Tester, Database Designer | npthinh211@clc.fitus.edu.vn | 0966998813 |  |
| Nguyễn Thị Ngọc Trâm | Architect | ntntram21@clc.fitus.edu.vn | 0333675393 |  |
| Nguyễn Thị Khánh Lam | Project Manager, UI/UX Designer | ntklam21@clc.fitus.edu.vn | 0963184198 |  |

# Management Process

## Project Estimates

This project will last for about three months, including 2 weeks for the Inception phase of this project. Another phase can be seen below.

## Project Plan

This section contains the schedule and resources for the project.

### Phase and Iteration Plan

We have made a Gantt chart for this section and we will submit the excel file along with this document.

Our project has 3 phases: Inception, Elaboration and Construction

Each phase will have some corresponding sprints/PAs

**Inception**

Start: 5/6/2023

End: 24/6/2023

Tasks:

* Planning Ideas and User identification.
* Project plan, vision document, academic training, weekly reports.

PA0: 1 release

- Project proposal: Define purpose of our website which is about travel and the target users.

- Weekly reports

PA1: 2 releases

- Project plan and Vision documents.

- Weekly reports

**Elaboration**

Start: 24/6/2023

End: 22/7/2023

Tasks:

* Revised project plan and vision documents.
* Use case document with a revised use case model.
* Design document (UI prototype and architecture document).
* Front-end and Back-end Development, weekly reports.

PA2: 2 release

* Use case document.
* The website UI prototype.
* Weekly reports.

PA3: 2 release

* Documents, weekly reports.
* The website’s front-end prototype.

**Construction**

Start: 22/7/2023

End: 2/9/2023

Tasks:

* Revised artifacts submitted in Elaboration.
* Front-end, Back-end and Database Development.
* Test cases, source code, test report, defects, weekly reports.
* Presentation.

PA4: 1 release

* Revised artifacts submitted in Elaboration.
* Test cases, source code, test report, defects.
* Weekly reports.

PA5: 1 release

* Test cases, source code, test report, defects.
* Weekly reports.

PA6: 2 release

* Travelus website.
* Presentation documents.

### Releases

| Releases | Time | Description |
| --- | --- | --- |
| 1.0 | 22/07/2023 | Website UI |
| 1.1 | 05/08/2023 | Searching features and details tour view. |
| 1.2 | 19/08/2023 | Login and Administrative feature |
| 1.3 | 02/09/2023 | Fixing bugs and refactoring. |

### Project Schedule

Link Trello: <https://trello.com/invite/b/ME3BXv82/ATTIf803a8524fa24de39550bb7648c06d268EBC28C7/se-105>

## Project Monitoring and Control

### Reporting

* Planning meeting: 1 report per PA
* Weekly meeting: 2 reports per PA
* Review meeting: 1 report per PA

### 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

* Google drive for storing and sharing documents and files.
* Git, Github for managing source code and related files.