BookBook

Version 0.1

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 13/06/2021 | 0.1 | Estimate time, effort; basic plan for activities; organize team; set up tools and configurations | Ho Nhat Linh |
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# Introduction

The document mentions activities during the process of developing the BookBook project:

- Information about targets and essential materials to develop the projects

- How we organize the team to make each member get well with the others during the process.

- An overview of how we’re managing the process.

# Project Overview

## Project Purpose, Scope, and Objectives

BookBook is a software used to book movie tickets online with add-on features to bring the best experiences to users. For watchers, they will not drift into ridiculous issues in the traditional way. For suppliers (movie theaters), they will have a better way to contribute their tickets.

We become the mid-man. We give the users useful functions having a great experience, they can book movie tickets online, they can have an overview of the movie before deciding to get their money easily through linked digital wallets. We give the suppliers a good place to sell their tickets, they can advertise the movies on the software.

## Assumptions and Constraints

The project will be developed within 12 weeks following the RUP and Scrum process models.

This is a zero-budget project.

The project will make money from the theaters by getting commission for selling tickets and putting their advertisements.

The team has 3 members, there will be no more people adding the process.

The project is being developed on the Android platform, we can extend the purview in the future by porting the software onto more platforms (like Windows, macOS,..).

## Project Deliverables

Project plan.

Vision document.

SAD software architecture document.

Demo clip.

Presentation.

Test plan

Release versions of the software.

# Project Organization

## Organizational Structure

## Roles and Responsibilities

|  |  |
| --- | --- |
| **Person** | **Role** |
| Ho Nhat Linh: Team leader, developer.  Vo Quang Huy: BA, developer, designer.  Nguyen Ngoc Anh Khoa: Developer, designer, tester. |  |

Ho Nhat Linh (leader): manages and assigns tasks to members, revises and modifies reports from members, estimates aspects of the project (cost, time, risk,…); sets up configuration, choose tools, technologies to use; constructs system architect, and builds system source code, writes Architect document.

Vo Quang Huy: Constructs project requirements (functional and non-functional); builds the user interfaces and implements source code to work with them; often reviews and completes Vision document.

Nguyen Ngoc Anh Khoa: Writes test cases for the software, plans to test and manages Testing documentation (and testing reports); constructs system architect, builds system source code (with Ho Nhat Linh); writes weekly reports.

# Management Process

## Project Estimates

## Project Plan

### Phase and Iteration Plan

The project will be developed within 12 weeks divided into 3 phases:

Inception phase (week 2nd – week 3rd): This is the stage of get ideas of more useful functions for the project. Simultaneously, we choose the target users, devices and environments to develop the application.

Elaboration phase (week 4th – week 7th):

- Iteration 1 (week 4th – week 5th ): Revise project plan and vision document to extend the software. Research on Kotlin and Android Studio.

- Iteration 1 (week 6th – week 7th ): Revise project plan and vision document. Construct use case document with a revise use case model. Build important prototypes and user interfaces to construct architecture document.

Construction phase (week 8th – week 11th ):

- Iteration 1 (week 8th – week 9th): Revised artifacts submitted in Elaboration. Implement source code by the prototypes. Plan testing the project.

- Iteration 2 (week 10th – week 11th ): Construct test cases. Alternatively modify the source code to fix bugs.

Write the presentation for the last week..

### Releases

We will release 3 versions of the software

- Original version: When finishing implementing the most important use case of the program (login, logout, selling tickets,..). It may happen at the end of sprint 1 (Construction phase)

- Add-on version: When finishing adding useful features for the software (reviews part, linking popular websites,…). It may happen at the end of week 1 of sprint 2 (Construction phase)

- Finished version: After getting over test cases of the tester (the small bugs can be considered). It may happen at the end of the Construction phase.

### Project Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phase | Iteration | Start | End | Task | Members |
| Inception | 1 | 01/06 | 13/06 | Write project plan, project proposal, assign tasks to members | Hồ Nhật Linh |
| Write vision document, define some important project requirements | Võ Quang Huy |
| Write weekly reports, research to define appropriate target users and devices. | Nguyễn Ngọc Anh Khoa |
| Elaboration | 1 | 14/06 | 27/06 | Revise the project plan to improve it and rise tasks. Build basic construction for the program. | Hồ Nhật Linh |
| Complete project requirements. Build basic UI for the program, revise and modify the vision document. | Võ Quang Huy |
| Construct important use case in the program. Write weekly report. | Nguyễn Ngọc Anh Khoa |
| 2 | 28/06 | 11/07 | Complete building construction for program. | Hồ Nhật Linh |
| Complete building UI. Write architect document. | Võ Quang Huy |
| Write use case document and weekly report. | Nguyễn Ngọc Anh Khoa |
| Construction | 1 | 12/07 | 25/07 | Revise project plan, assign task to members, implement source code for system | Hồ Nhật Linh |
| Revise vision document, modify UI, implement code for interacting with UI | Võ Quang Huy |
| Plan testing, construct test case, write weekly report | Nguyễn Ngọc Anh Khoa |
| 2 | 26/07 | 08/08 | Revise to complete project plan. Complete implementing the system source code. | Hồ Nhật Linh |
| Revise to complete vision document. Complete the UI part. | Võ Quang Huy |
| Complete testing the program, write test report, weekly report | Nguyễn Ngọc Anh Khoa |

## Project Monitoring and Control

### Reporting

Use Zoom for weekly meetings (or face-to-face conversations when the epidemic is over) at 8 am Sunday every week.

Members update project status and exchange of information on Slack.

Informal chatting through Facebook Messenger.

### Risk Management

### Configuration Management

Use google drive to store and sharing documents.

Use git hub to store and manage source code. Members need to notify the leader about new pull requests.