

---

**Group 20**

---

**Booking Hotel**  
**Software Development Plan**  
Version 1.0

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

## Revision History

| Date       | Version | Description                                      | Author         |
|------------|---------|--|----------------|
| 01/11/2022 | 1.0     | 1. Introduction<br>2. Project Overview           | Lê Tấn Kiệt    |
| 01/11/2022 | 1.0     | 3. Project Organization<br>4. Management Process | Nguyễn Long Vũ |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

## Table of Contents

|   |          |
|---|----------|
| <b>1. Introduction</b>                            | <b>4</b> |
| <b>2. Project Overview</b>                        | <b>4</b> |
| 2.1 <i>Project Purpose, Scope, and Objectives</i> | 4        |
| 2.2 <i>Assumptions and Constraints</i>            | 4        |
| 2.3 <i>Project Deliverables</i>                   | 4        |
| <b>3. Project Organization</b>                    | <b>4</b> |
| 3.1 <i>Organizational Structure</i>               | 4        |
| 3.2 <i>Roles and Responsibilities</i>             | 4        |
| <b>4. Management Process</b>                      | <b>4</b> |
| 4.1 <i>Project Estimates</i>                      | 4        |
| 4.2 <i>Project Plan</i>                           | 4        |
| 4.2.1 Phase and Iteration Plan                    | 5        |
| 4.2.2 Releases                                    | 5        |
| 4.2.3 Project Schedule                            | 5        |
| 4.2.4 Project Resourcing                          | 5        |
| 4.3 <i>Project Monitoring and Control</i>         | 5        |
| 4.3.1 Reporting                                   | 5        |
| 4.3.2 Risk Management                             | 5        |
| 4.3.3 Configuration Management                    | 6        |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

# Software Development Plan

## 1. Introduction

- Booking Hotel is an application that supports finding accommodation, helping you quickly find the nearest hotels and homestays with different prices. With a mission to use modern technology, we help you make the most of your trip wherever you go, determined to advance the quality of sustainable, accessible and innovative tourism. Also, if you want to become an accommodation provider, we are happy to help you with that.

## 2. Project Overview

### 2.1 Project Purpose, Scope, and Objectives

- **Purpose:**
  - + Provide reservation service.
  - + Provide room rental and reservation management services.
- **Scope:**
  - + Travelers, business travelers.
  - + Owners of hotels and homestays.
- **Objectives:**
  - + Helping people enjoy the trip, explore the world without worrying about finding the right place to rest.
  - + Improve the business performance of the hotel.

### 2.2 Assumptions and Constraints

- Project has a fixed schedule of 11 weeks.
- Zero-budget project..
- Project has 5 people, there will be no more people added during the project..

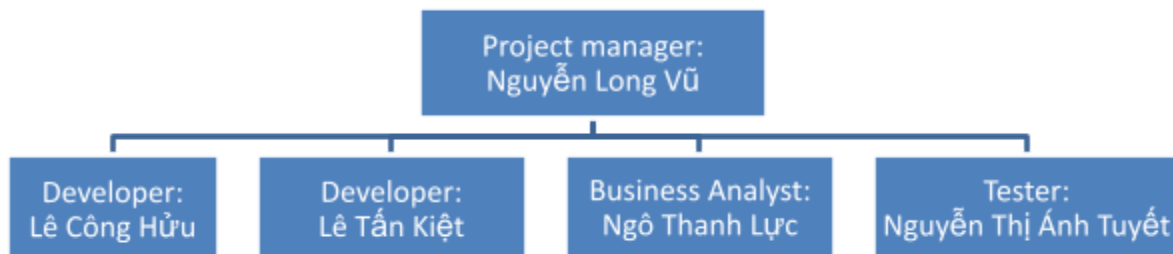
### 2.3 Project Deliverables

| No. | Deliverable Name     | Description  | Owner | Status   | Start Date | End Date |
|-----|----------------------|--|-------|----------|------------|----------|
| 1   | Prepare project plan | Introduce project and identify timelines of the project. | Team  | Complete | 21/Oct/22  | 2/Nov/22 |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

### 3. Project Organization

#### 3.1 Organizational Structure



#### 3.2 Roles and Responsibilities

| Person               | Role                        |
|----------------------|-----------------------------|
| Nguyễn Long Vũ       | Project manager, Developer  |
| Lê Tấn Kiệt          | Developer                   |
| Ngô Thanh Lực        | Business Analyst, Developer |
| Lê Công Hữu          | Developer                   |
| Nguyễn Thị Ánh Tuyết | Designer, Tester            |

### 4. Management Process

#### 4.1 Project Estimates

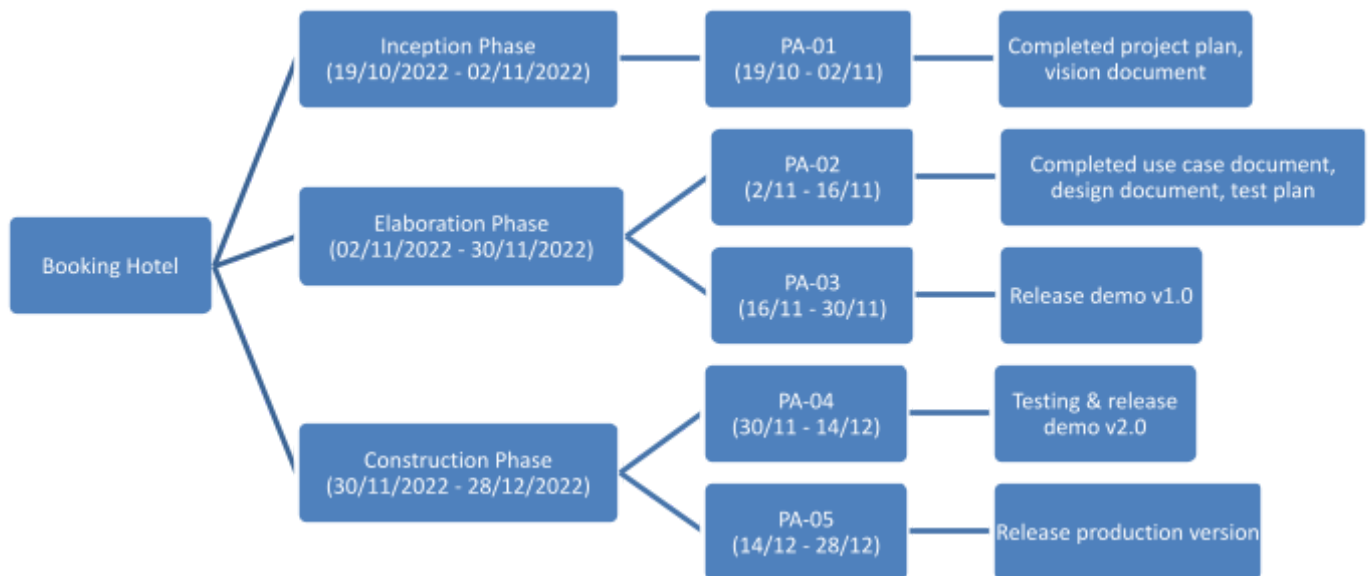
- Estimate: **1500 hours.**

| No | Activities                       | Estimate (hours) |
|----|----------------------------------|------------------|
| 1  | Business modeling & Requirements | 50               |
| 2  | Analysis & Design                | 150              |
| 3  | Implementation                   | 600              |
| 4  | Testing                          | 200              |
| 5  | Deployment                       | 50               |
| 6  | Project management               | 100              |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

## 4.2 Project Plan

### 4.2.1 Phase and Iteration Plan



### 4.2.2 Releases

- Demo v1.0 - 30/11/2022.
- Demo v2.0 - 14/12/2022.
- Production version - 28/12/2022.

### 4.2.3 Project Schedule

| No | Activity Name               | Responsibility                                   | Activity Description |
|----|-----------------------------|--|----------------------|
| 1  | Project plan                | Nguyễn Long Vũ, Lê Tấn Kiệt                      |                      |
| 2  | Vision document             | Ngô Thanh Lực, Lê Công Hữu, Nguyễn Thị Ánh Tuyết |                      |
| 3  | Design UI, UX               | Nguyễn Thị Ánh Tuyết                             |                      |
| 4  | Design database, code-based | Nguyễn Long Vũ, Ngô Thanh Lực                    |                      |
| 5  | Use case document           | Lê Công Hữu, Lê Tấn Kiệt                         |                      |
| 6  | Design document             | Nguyễn Thị Ánh Tuyết                             |                      |
| 7  | Test plan                   | Nguyễn Thị Ánh Tuyết                             |                      |
| 8  | Authentication              | Lê Công Hữu                                      |                      |
| 9  | Home page                   | Lê Tấn Kiệt                                      |                      |
| 10 | Detail page                 | Nguyễn Long Vũ                                   |                      |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

|    |                  |                               |  |
|----|------------------|-------------------------------|--|
| 11 | Search & Filter  | Ngô Thanh Lực                 |  |
| 12 | Booking history  | Lê Tấn Kiệt                   |  |
| 13 | Chat             | Nguyễn Long Vũ                |  |
| 14 | Payment          | Nguyễn Long Vũ                |  |
| 15 | Map              | Lê Tấn Kiệt                   |  |
| 16 | Hotel management | Ngô Thanh Lực                 |  |
| 17 | Dashboard        | Lê Công Hữu                   |  |
| 18 | Test report      | Nguyễn Thị Ánh Tuyết          |  |
| 19 | Admin panel      | Lê Công Hữu, Lê Tấn Kiệt      |  |
| 20 | Rating & review  | Nguyễn Long Vũ, Ngô Thanh Lực |  |

|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |





|                           |                  |
|---------------------------|------------------|
| Booking Hotel             | Version: 1.0     |
| Software Development Plan | Date: 01/11/2022 |
| <document identifier>     |                  |

### 4.3 Project Monitoring and Control

#### 4.3.1 Reporting

- Weekly meeting.
- Weekly status report.
- Informal chats.

#### 4.3.2 Risk Management

| <i>Risk ID</i> | <i>Risk Description</i> | <i>Probability</i> | <i>Impact</i> | <i>Risk Exposure</i>                 | <i>Priority</i> | <i>Mitigation Strategy or Contingency Plan</i> |
|----------------|-------------------------|--------------------|---------------|--------------------------------------|-----------------|--|
|                |                         |                    |               | = <i>Probability</i> * <i>Impact</i> |                 |  |
|                |                         |                    |               |                                      |                 |  |
|                |                         |                    |               |                                      |                 |  |

#### 4.3.3 Configuration Management

- Google Drive: Storing and sharing documents and files.
- Github: Managing source code.