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| **FPT UNIVERSITY** |
| Capstone Project Document  Report 2  Project Management Plan |
| Build a Web Application  for manages all activities of  delivery service system by coach. |
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| |  |  | | --- | --- | | **Group 18** | | | **Group Members** | Đào Bảo Long – Team Leader – SE60690  Lê Phúc Lữ – Team Member – 60563  Nguyễn Thanh Tùng – Team Member – SE60609  Nguyễn Minh Đức – Team Member – SE60660 | | **Supervisor** | Nguyễn Trọng Tài | | **Ext Supervisor** | N/A | | **Capstone Project Code** | i-Deliver | |
| Hồ Chí Minh City, January 2014 |



# Software Project Management Plan (SPMP)



## Problem Definition



### Name of this Capstone Project

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| --- | --- |
| **Official name** | Building a web-based application that manages the activities of delivery service system by coach |
| **Vietnamese name** | Xây dựng ứng dụng web quản lý các hoạt động cho dịch vụ vận chuyển hàng hóa thông qua hệ thống xe khách đường dài |
| **Abbreviation** | i-Deliver |

### Problem Abstract

The idea of the project is to develop a web-based application that mainly assists a wide range of people in searching, comparing, and making reservations, and pay online for the most appropriate hotels at their destination. It helps hotel owners to sell their rooms by providing them with basic tools to monitor their hotels and allowing their hotels to be operating on the Internet. It also communicates with hotel data providers for reliable data of hotels.

### Project Overview



#### The Current System

The idea of developing a hotel information portal by gathering information from various hotels is itself not a new one. Before we start to explore the proposed system, we will go through a number of room booking processes available in the market.

**Traditional booking process**

#### The Proposed System

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#### Boundaries of the System

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#### Development Environment

Below is the list of hardware and software requirements needed for the development environment of the project.

**Hardware requirements**

* Personal computers for developing with the minimum configuration: 2 Gb of RAM, 100GB of hard disk, Core 2 Duo 2.0 Ghz;
* A server computer for testing with the minimum configuration: 4 Gb of RAM, 100GB of hard disk, Core 2 Duo 2.0 Ghz;
* All computers must be connected to the internet.

**Software requirements**

* Operating system: Windows 7 or above;
* Web Server: IIS Express 8;
* Framework: .NET Framework 4.5;
* IDE: Visual Studio 2012;
* DBMS: SQL Server 2008 R2;
* Source Control: Tortoise SVN 1.8.4.

## Project organization



### Software Process Model

The waterfall software lifecycle model will be used to guide the development of the system. The waterfall model includes five major phases as in the figure below, enforcing moving to the next phase only after completion of the previous phase.

Requirement Specifications

System and Software Designs

Implementation and Unit Testing

Integration and System Testing

Operation and Maintenance

Figure . The waterfall software lifecycle model

### Roles and Responsibilities

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| --- | --- | --- | --- |
| No | Full name | Role in group | Responsibilities |
| 1 | Nguyễn Trọng Tài | Supervisor | * Give advice on business and technical problems; * Review and approve of project documents and product deliverables; * Assess the performance of team members. |
| 2 | Đào Bảo Long | Team Leader,  Developer,  Tester | * Create project management plan and distribute tasks to the other members; * Monitor the development process and review the deliverables; * Work on system architecture and detailed designs; * Implement; * Prepare documents; * Perform unit testing; * Deploy the final product. |
| 3 | Lê Phúc Lữ | Developer, Tester | * Research on; * Design user interfaces; * Work on detailed designs; * Implement; * Prepare documents; * Perform unit testing, system testing, and integration test. |
| 4 | Nguyễn Thanh Tùng | Developer, Tester | * Research on; * Design user interfaces; * Work on detailed designs; * Implement; * Perform unit testing, system testing, and integration test. |
| 5 | Nguyễn Minh Đức | Developer, Tester | * Research on; * Design user interfaces; * Work on detailed designs; * Implement; * Perform unit testing, system testing, and integration test. |

### Tools and Techniques

The tools that will be used to develop the system include:

* *Developing tools:* Microsoft Visual Studio 2012; Tortoise SVN 1.8.4; Microsoft SQL Server 2008 RC;
* *Modeling tools:* StarUML 5.0.2.1570;
* *Document tools:* Microsoft Office 2010.

## Project management plan



### Tasks

Below are all the major tasks that need to be performed sequentially during the development of the system.



#### Task 1: Initiating