**MINISTRY OF EDUCATION AND TRAINING**

**FPT UNIVERSITY**

Capstone Project Document

Football Pitches Booking

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- Ho Chi Minh, 01/2014 –

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## Report No.1: Introduction

This part is about the group of developers, the initial idea of the group’s Capstone project, overview of similar existing solutions, overview of existing methods, business outline, limitations of the existing system. From that point, you will advance your knowledge/skill levels in the topic you have chosen, and benefits of expected system.

*<Introduction to this document, how it is organized, and what it contains>*

## Report No.2: Project Management Plan (PMP)

##### 2.1. Problem Definition

2.1.1. Name of this CapStone Project

2.1.2. Problem Abstract

*<Write down the problem abstract. This can be paraphrased from the Customer’s Requirement>*

2.1.3. Project Overview

2.1.3.1. The Current System

*<Describe the current system/situation. This can be paraphrased from the Customer’s*

*Requirements>*

2.1.3.2. The Proposed System

*<Describe the system under development. This can be paraphrased from the Customer’s Requirements>*

2.1.3.3. Boundaries of the System

*<List the scope/boundaries of the system under development. This can be paraphrased from the Customer’s Requirements>*

2.1.3.4. Development Environment

*<Describe the environment for system under development. Include software and hardware requirements>*

##### 2.2. Project organization

2.2.1. System Process Model

2.2.2. Roles and Responsibilities

###### 2.2.3. Tools and Techniques

##### 2.3. Project management plan

2.3.1. Tasks:

2.3.1.n Task-n:

Description

Deliverables

Resources Needed

Dependencies and Constraints

Risks



2.3.2. Task Sheet: Assignments and Timetable

2.3.3. All Meeting Minutes

*<Put all your-team’s meeting minutes here as an appendix >*

##### 2.4. Convention Rules

##### 2.5. Other material (if any)

## Report No.3: System Requirements Specifications (SRS)

##### 3.1. User Requirement Specification

*<Summarize the customer requirements in a compact form>*

##### 3.2. System Requirement Specification (Specific Requirements)

*<Summarize the system requirements in a compact form>*

3.2.1. External Interface Requirements

3.2.1.1. User Interfaces

3.2.1.2. Hardware Interfaces (if any)

3.2.1.3. System Interfaces (if any)

3.2.1.4. Communications Protocol 3.2.2. Functional Requirements

3.2.2.n. Functional Requirement n

3.2.2.n.1. Use Case-n Diagram (otherwise use another model)

3.2.2.n.2 .Use Case-n Specification

*<Write down all non-trivial use cases. This should reflect what you get when your team does the system analysis. Use the template to write a detailed specification for use cases>*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-n SPECIFICATION** | | | | |
| **Use-case No.** | <UC001> | **Use-case Version** | | <1.0> |
| **Use-case Name** | <Name> | | | |
| **Author** | <Members> | | | |
| **Date** | Dd/mm/yyyy | **Priority** | <High/Normal/Low> | |
| **Actor:**  *<Lit all actors>*  **Summary:**  *<Briefly describe the used case >*  **Goal:**  *<Briefly describe the goal of used case >*  **Triggers**  *<What does lead in using this case?>*  **Preconditions:** | | | | |
| *<List the required pre-conditions for using this case>* **Post Conditions:**  *<List the required post-conditions for using this case>*  **Main Success Scenario:**  *<List the main steps for using this case to reach the goal successfully >*  **Alternative Scenario:**  *<List other steps for using this case to reach the goal in some alternative conditions >*  **Exceptions:**  *<List exceptions of this use case >*  **Relationships:**  *<List the relationships that use case relates to>*  **Business Rules:**  *<Any concern about the business>* | | | | |

3.2.3. Non-Functional Requirements

3.2.3.1 Reliability

3.2.3.2 Availability

3.2.3.3 Security

3.2.3.4 Maintainability

3.2.3.5 Portability

3.2.3.6 Performance

##### 3.3. Entity Relationship Diagram or Data Structures (if any)

*<Provide the ERD Diagram for the system here. If your team uses a file or in-memory storage facility instead of a database, replace this section by ‘Data Structures’. Note, use only ERD or Data Structures>*

##### 3.4. Other material (if any)

## Report No.4: System Design Description (SDD)

##### 4.1. Design Overview

##### 4.2. System Architectural Design

4.2.1 Choice of System Architecture

4.2.2 Discussion of Alternative Designs

4.2.3 Description of System Interface

##### 4.3. Component Diagram

##### 4.4. Detailed Description of Components

###### 4.4.1. CRC Cards (Class-Responsibility-Collaborators) (if any)

4.4.1.*n.* Component-*n*

4.4.1.n.1. Class Diagram

4.4.2.n.2. Class Diagram Explanation

*<Provide a brief explanation of the class diagram above. You do not need to explain*

*“obvious” parts of your class diagram>*

4.4.3.n.3. Algorithms of important methods in each class, specified in pseudo code or by Flow-Chart

##### 4.5. Sequence Diagram

##### 4.6. User Interface Design/ Hardware Interface Design (if any)

4.6.1 Description of the User Interface

4.12.1.1 Screen Images/ Hardware Description

4.12.1.2 Objects and Actions/ Component

##### 4.7. Database Design or Data Structures or algorithms

*<Provide the detailed database design for the system here. If your team uses a file or in-memory storage facility instead of database, remove this section; use the ‘Data Structures’ section. >*

##### 4.8. Other material (if any)

## Report No.5: System Implementation & Test (SIT)

##### 5.1. Introduction

5.1.1 System Overview

5.1.2 Test Approach

##### 5.2. Database Relationship Diagrams/Hardware Charts (if any)

##### 5.3. Screen shots/ Performance measures/…

##### 5.4. Test Plan

5.4.1 Features to be tested

5.4.2 Features not to be tested

5.4.3 Testing Tools and Environment

##### 5.5. Test Cases

5.5.*n* Case-*n*

5.5.*n*.1 Purpose

5.5.*n*.2 Inputs

5.5.*n*.3 Expected Outputs & Pass/Fail criteria

5.5.*n*.4 Test Procedure

##### 5.6. Checklists

5.6.1. Checklist of Validation

*<Put the checklist here. Describe how it is used and the resulted checklist>*

5.6.2. Submission Checklist

*<Put the checklist here. Describe how it is used and the resulted checklist>*

##### 5.7. Other material (if any) (including appendix A)

APPENDIX A. TEST LOGS

A.n Log for test *n*

A.n.1 Test Results

A.n.2 Incident Report

## Report No.6: System User’s Manual

##### 6.1. Installation Guide 6.2. User’s Guide

##### 6.3. Other [Optional]