

**Capstone Project Report**

**Report 2 – Project Management Plan**

– HoChiMinh, March 2024 –

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# I. Record of Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
|  |  |  |  |
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|  |  |  |  |

\*A - Added M - Modified D - Deleted

# II. Project Management Plan

## 1. Overview

### 1.1 Scope & Estimation

*[Create/Provide the list of software product following the table template as below. In this table, we categorize each software function into three levels of complexity (Simple, Medium, Complex) and estimate the total effort to complete each one in man-day]*

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **WBS Item** | **Complexity** | **Est. Effort**  **(man-days)** |
| ***1*** | ***Booking*** |  | ***25*** |
| 1.1 | Create new booking | Medium | 5 |
| 1.2 | Implement Date and Time selection | Medium | 3 |
| 1.3 | Booking cancellation function | Medium | 2 |
| 1.4 | Booking modification | Medium | 3 |
| 1.5 | Search booking using booking Id, user Id, booking date | Simple | 1 |
| 1.7 | Booking history retrival | Simple | 1 |
| 1.8 | Apply coupon into booking order | Complex | 5 |
| 1.9 | Integration with payment system | Complex | 5 |
| ***2*** | ***Booking Detail*** |  | ***5*** |
| 2.1 | Create new booking detail | Simple | 1 |
| 2.2 | Delete booking detail | Simple | 1 |
| 2.3 | Update booking detail | Simple | 1 |
| 2.4 | Search booking detail using booking id | Simple | 1 |
| 2.5 | Retrieve booking detail | Simple | 1 |
| ***3*** | ***User*** |  | **9** |
| 3.1 | Register new user | Simple | 1 |
| 3.2 | Login | Simple | 1 |
| 3.3 | Authentication, authorization | Medium | 2 |
| 3.4 | View profile | Simple | 1 |
| 3.5 | Delete profile | Simple | 1 |
| 3.6 | Update profile | Simple | 1 |
| 3.7 | Search user using user Id | Simple | 1 |
| 3.8 | Retrieve user info | Simple | 1 |
| ***4*** | ***Food/combo*** |  | **6** |
| 4.1 | Create new Food/Combo | Simple | 1 |
| 4.2 | View Food/Combo | Simple | 1 |
| 4.3 | Update Food/Combo | Simple | 1 |
| 4.4 | Delete Food/Combo | Simple | 1 |
| 4.5 | Upload image | Simple | 1 |
| 4.6 | Retrieve Food/Combo info | Simple | 1 |
| ***5*** | ***Service/Service package*** |  | **6** |
| 5.1 | Create new Service/Service package | Simple | 1 |
| 5.2 | View Service/Service package | Simple | 1 |
| 5.3 | Update Service/Service package | Simple | 1 |
| 5.4 | Delete Service/Service package | Simple | 1 |
| 5.5 | Upload image | Simple | 1 |
| 4.6 | Retrieve Service/Service package info | Simple | 1 |
| ***6*** | ***Host*** |  | **13** |
| 6.1 | Create new host | Simple | 1 |
| 6.2 | View list of host | Simple | 1 |
| 6.3 | Update host | Simple | 1 |
| 6.4 | Upload host image | Simple | 1 |
| 6.5 | Manage host availability(time, food, service) | Medium | 4 |
| 6.6 | View host availability(Show which timeslot is booked,…) | Medium | 4 |
| 6.7 | Search host using name | Simple | 1 |
| ***7*** | **Coupons** |  | **4** |
| 7.1 | Create new coupons | Simple | 1 |
| 7.2 | Delete coupons | Simple | 1 |
| 7.3 | Update coupons | Simple | 1 |
| 7.4 | Retrieve coupons info | Simple | 1 |
| ***8*** | ***Payment*** |  | **17** |
| 8.1 | Implement secure payment Gateway | Complex | 6 |
| 8.2 | Payment confirmation process | Medium | 3 |
| 8.3 | Refund process | Complex | 5 |
| 8.4 | Payment notification system | Medium | 3 |
| ***Total Estimated Effort (man-days)*** | | | ***85*** |

### 1.2 Project Objectives

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Testing Stage** | **Test Coverage** | **No. of Defects** | **% of Defect** | **Notes** |
| 1 | Reviewing |  |  |  |  |
| 2 | Unit Test |  |  |  |  |
| 3 | Integration Test |  |  |  |  |
| 4 | System Test |  |  |  |  |
| 5 | Acceptance Test |  |  |  |  |

*Milestone Timeliness (%):*

*Allocated Effort (man-days):*

]

### 1.3 Project Risks

*[List out the details on project risks in the table below]*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Risk Description** | **Impact** | **Possibility** | **Response Plans** |
| 1 |  |  |  |  |

## 2. Management Approach

*[Describe the approach you would use the manage and implement your project]*

### 2.1 Project Process

*[Draw and describe the software development process model that the team would apply into the project implementation]*

### 2.2 Quality Management

*[Provide the approach you would apply to improve the project quality, reach the project quality objectives. Some of the quality approach can include*

* *Defect Prevention*
* *Reviewing*
* *Unit Testing*
* *Integration Testing*
* *System Testing*

*]*

### 2.3 Training Plan

*[You need to plan the training activities in case any of your team member lack of knowledge/skills to handle the project works]*

|  |  |  |  |
| --- | --- | --- | --- |
| Training Area | Participants | When, Duration | Waiver Criteria |
|  |  |  | Mandatory |
| Git, Github |  |  | Mandatory |

## 3. Project Deliverables

*[Given the main project deliverables. Those can be internal and/or external deliverables. Students can prepare master schedule like the table format as below or in the more detailed structure as the sample in the attached sample file -* ***Report2\_Sample High Level Project Schedule.pdf****]*

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Deliverable** | **Due Date** | **Notes** |
| 1 | … | dd/MM/yyyy | … |

## 4. Responsibility Assignments

*[Describe the main responsibilities in your project (to complete the outputs as defined in the above section), in the format as the sample below]*

*D~Do; R~Review; S~Support; I~Informed; <blank>- Omitted*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Responsibility** | **PhuPX** | **LongTH** | **TanND** | **DucTM** |
| Project Planning & Tracking | D | S | R | R |
| Prepare Project Introduction Document | D | S | D | R |
| Prepare SRS Document (Overview Part) | D | D | S | R |
| Prepare SRS Document (User Requirements) | D | R | S | D |
| … |  |  |  |  |

## 5. Project Communications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Communication Item** | **Who/ Target** | **Purpose** | **When, Frequency** | **Type, Tool, Method(s)** |
|  |  |  |  |  |
|  |  |  |  |  |

## 6. Configuration Management

### 6.1 Document Management

*[Describe how you would manage project documents & their changes/versions]*

### 6.2 Source Code Management

*[Describe how you would manage project source codes & their changes/versions]*

My team managing source code by github

### 6.3 Tools & Infrastructures

|  |  |
| --- | --- |
| **Category** | **Tools / Infrastructure** |
| **Technology** | React (FrontEnd), .NET (BackEnd) |
| **Database** | Microsoft SQL Server |
| **IDEs/Editors** | Visual Studio(BackEnd), Visual Studio Code(FrontEnd) |
| **Diagramming** | DrawIO |
| **Documentation** | Ms Office, Google Docs/Sheets/Slides |
| **Version Control** | GitHub(source code), Google Drive(Documents) |
| **Deployment server** | Microsoft Azure |
| **Project management** |  |