

**TEST PLAN DOCUMENT**

RESTAURANT MANAGEMENT SYSTEM

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*Da Nang, 2021*

**PROJECT INFORMATION**

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| **Project Acronym** | **RMS** | | |
| **Project Title** | RESTAURANT MANAGEMENT SYSTEM | | |
| **Star Date** | 13 May 2021 | **End Date** | 24 June 2021 |
| **Lead Institution** | CMU, Duy Tan University | | |
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**TEST PLAN DOCUMENT**

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**SIGNATURE**

***Document Approvals:*** *The following signatures are required for approval of this document.*

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# Introduction

## Purpose

* The document provides an overview of the project includes the purpose and scope of project.
* In addition, identifying business needs, problems or situation related to the initialization and construction projects.
* Provide solution for business needs and give the overview of system architecture.
* Provide overview about resources, schedule, solution and budget for the project.

## Scope

* This document provides an overview of project will be developed. It includes overview of the product, overview of the process and overview of the project team.
* This document provides a plan for each stage of software development process based on Scrum process included: start time, end time and number of working days. This is the general plan and will be updated with detail of the software development process in the next document.
* Proposal includes the introduction of solutions, determine the best way to develop software that we make, the total estimated costs, payback period, break-even volume for the project.

## Document Terminology and Acronyms

|  |  |  |
| --- | --- | --- |
| ID. | Item | Description |
|  | RMS | Restaurant Management System |

*Table 1: Document Terminology and Acronyms*

## References

|  |  |  |
| --- | --- | --- |
| **No.** | **References** | **Document Information** |
| **1** | **Scrum Process** | https://scrum.org/resources/what-is-scrum |
| **2** | **Document** | Proposal Document  Product Backlog Document  Project Plan Document |

*Table 2: References*

# Target Test Areas

* Functional Testing
* Integration Testing
* System Testing
* Acceptance Testing

# Test Specification

## Feature not to be Tested

Not Applicable as all features will be tested.

## Test Deliverables

* Test Plan Document
* Test Case Document
* Test Summary Report

# Test Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Duration** | **Start** | **Finish** | **Resource** |
| **1** | **Sprint 1** | **12 days** | **May 17, 2021** | **May 28, 2021** | **Team** |
| 1.1 | Analysis & Design database | 10 | May 18, 2021 | May 18, 2021 | Phu |
| 1.1 | Code database | 10 | May 19, 2021 | May 19, 2021 | Phu |
| 1.1 | Test database | 5 | May 20, 2021 | May 20, 2021 | Phu |
| 1.1 | Create PHP server | 5 | May 20, 2021 | May 20, 2021 | Phu |
| 1.1 | Code API for Login, Logout | 6 | May 21, 2021 | May 21, 2021 | Phu |
| 1.1 | Code API for Dish Management | 10 | May 22, 2021 | May 22, 2021 | Phu |
| 1.1 | Test API server | 5 | May 23, 2021 | May 23, 2021 | Phu |
| 1.1 | Deploy API server | 2 | May 23, 2021 | May 23, 2021 | Phu |
| 1.2 | Design Login UI | 3 | May 23, 2021 | May 23, 2021 | Khue |
| 1.2 | Code Login UI | 5 | May 24, 2021 | May 24, 2021 | Phu |
| 1.2 | Code Login & Test | 8 | May 24, 2021 | May 24, 2021 | Phu |
| 1.3 | Design Logout UI | 3 | May 25, 2021 | May 25, 2021 | Khue |
| 1.4 | Code Logout UI | 3 | May 25, 2021 | May 25, 2021 | Phu |
| 1.4 | Code Logout & Test | 5 | May 25, 2021 | May 25, 2021 | Phu |
| 1.4 | Design Create dish | 3 | May 26, 2021 | May 26, 2021 | Khue |
| 1.4 | Code Create dish UI | 1 | May 26, 2021 | May 26, 2021 | Thanh |
| 1.4 | Code Create dish & Test | 5 | May 26, 2021 | May 26, 2021 | Thanh |
| 1.5 | Design View dish UI | 3 | May 26, 2021 | May 26, 2021 | Khue |
| 1.5 | Code View dish UI | 1 | May 27, 2021 | May 27, 2021 | Thanh |
| 1.5 | Code View dish & Test | 5 | May 27, 2021 | May 27, 2021 | Thanh |
| 1.6 | Design Update dish | 3 | May 27, 2021 | May 27, 2021 | Khue |
| 1.6 | Code Update dish UI | 1 | May 27, 2021 | May 27, 2021 | Thanh |
| 1.6 | Code Update dish & Test | 5 | May 27, 2021 | May 27, 2021 | Thanh |
| 1.7 | Design Delete dish UI | 3 | May 28, 2021 | May 28, 2021 | Khue |
| 1.7 | Code Delete dish UI | 1 | May 28, 2021 | May 28, 2021 | Thanh |
| 1.7 | Code Delete dish & Test | 5 | May 28, 2021 | May 28, 2021 | Thanh |
| **2** | **Sprint 2** | **12 days** | **May 29, 2021** | **June 09, 2021** | **Team** |
| 2.1 | Code API | 8 | May 17, 2021 | May 17, 2021 | Phu |
| 2.2 | Design Web homepage UI | 8 | May 17, 2021 | May 17, 2021 | Tri |
| 2.2 | Code Web homepage UI | 8 | May 17, 2021 | May 17, 2021 | Tri |
| 2.3 | Design Web select table UI | 5 | May 17, 2021 | May 17, 2021 | Dat |
| 2.3 | Code Web select table UI | 8 | May 17, 2021 | May 17, 2021 | Dat |
| 2.4 | Design Cashier select table UI | 5 | May 17, 2021 | May 17, 2021 | Thanh |
| 2.4 | Code Cashier select table UI | 5 | May 17, 2021 | May 17, 2021 | Thanh |
| 2.4 | "Code Cashier select table &  Test" | 8 | May 17, 2021 | May 17, 2021 | Thanh |
| 2.5 | Design Web select dish UI | 5 | May 17, 2021 | May 17, 2021 | Khue |
| 2.5 | Code Web select dish UI | 8 | May 17, 2021 | May 17, 2021 | Khue |
| 2.6 | Design Cashier select dish UI | 3 | May 17, 2021 | May 17, 2021 | Phu |
| 2.6 | Code Cashier select dish UI | 5 | May 17, 2021 | May 17, 2021 | Phu |
| 2.6 | "Code Cashier select dish & Test"” | 5 | May 17, 2021 | May 17, 2021 | Phu |
| 2.7 | Design Web order dish UI | 3 | May 17, 2021 | May 17, 2021 | Khue |
| 2.7 | Code Web order dish UI | 5 | May 17, 2021 | May 17, 2021 | Khue |
| 2.8 | Design Cashier order dish UI | 3 | May 17, 2021 | May 17, 2021 | Phu |
| 2.8 | Code Cashier order dish UI | 3 | May 17, 2021 | May 17, 2021 | Phu |
| 2.8 | "Code Cashier order dish &  Test" | 8 | May 17, 2021 | May 17, 2021 | Phu |
| **3** | **Sprint 3** | **13 days** | **June 10, 2021** | **June 22, 2021** | **Team** |
| 3.1 | Code API | 15 | May 17, 2021 | May 17, 2021 | Phu |
| 3.2 | Code Web homepage & Test | 8 | May 17, 2021 | May 17, 2021 | Tri |
| 3.3 | Code Web select table & Test | 12 | May 17, 2021 | May 17, 2021 | Dat |
| 3.4 | Code Web select dish & Test | 12 | May 17, 2021 | May 17, 2021 | Khue |
| 3.5 | Code Web order dish & Test | 12 | May 17, 2021 | May 17, 2021 | Khue |
| 3.6 | Design Web view invoice UI | 8 | May 17, 2021 | May 17, 2021 | Tri |
| 3.6 | Code Web view invoice UI | 8 | May 17, 2021 | May 17, 2021 | Dat |
| 3.6 | Code Web view invoice & Test | 12 | May 17, 2021 | May 17, 2021 | Khue |
| 3.7 | Design Cashier view invoice UI | 5 | May 17, 2021 | May 17, 2021 | Phu |
| 3.7 | Code Cashier view invoice UI | 3 | May 17, 2021 | May 17, 2021 | Phu |
| 3.7 | "Code Cashier view invoice &  Test" | 8 | May 17, 2021 | May 17, 2021 | Phu |
| 3.8 | Design invoice | 5 | May 17, 2021 | May 17, 2021 | Dat |
| 3.8 | Design Print invoice UI | 5 | May 17, 2021 | May 17, 2021 | Tri |
| 3.8 | Code Print invoice UI | 8 | May 17, 2021 | May 17, 2021 | Thanh |
| 3.8 | Code Print invoice & Test | 3 | May 17, 2021 | May 17, 2021 | Thanh |
| 3.8 | Design Monitor invoices UI | 5 | May 17, 2021 | May 17, 2021 | Thanh |
| 3.9 | Code Monitor invoices UI | 3 | May 17, 2021 | May 17, 2021 | Thanh |
| 3.9 | Code Monitor invoices & Test | 8 | May 17, 2021 | May 17, 2021 | Thanh |

*Table 3: Test Schedule*

# Test Cycle Entry and Exit Criteria

## Entry Criteria

* All test hardware platforms must have been successfully installed, configured, and functioning properly.
* All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
* Proper test case is available.
* The test environment such as, lab, hardware, software, and system administration support should be ready.

## Exit Criteria

* All test cases have been run.
* A certain level of requirements coverage has been achieved.
* No high priority or severe bugs are left outstanding.
* All high-risk areas have been fully tested, with only minor residual risks left outstanding.
* The schedule has been achieved.

# Environment Needs

## Hardware and Software

|  |  |  |
| --- | --- | --- |
| Resource | Configuration | Installed OS, Software |
| **Laptop** | Internet Access | Chrome |

*Table 4: Hardware and Software*

## Productivity and Support Tools

|  |  |  |  |
| --- | --- | --- | --- |
| Tool’s Purpose | Tool Name | Vendor or In-house | Version |
| **Project Management** | Drive | Google | N/A |
| **Project Documented** | Microsoft Office | Microsoft | 10 |

*Table 5: Productivity and Support Tools*

# Roles and Responsibilities

|  |  |
| --- | --- |
| Roles | Responsibilities |
| Management Team | * Ensure the project is delivered to schedule, budget & quality. * Regularly review Testing progress with Test Leader. * Raise and manage issues/risks relating to project or outside. Test Teams control. * Review Test approach plans and schedule. * Provide technical support. |
| Develop Team | * Review high level / detailed test plans. * Resolve design issues. * Resolve development issues. * Support user acceptance testing. * Develop Unit test scripts. * Make Unit test. * Fix bugs. |
| QA Team | * Identifies, prioritizes, and implements test cases. * Generate test plan. * Generate Test Suite. * Evaluate effectiveness of test effort. * Execute tests. * Log results. * Recover from errors. * Document defects. * Regularly review Testing progress. * Manage issues/risks relating to System Test Team. * Identify Test Data. |

*Table 6: Roles and Responsibilities*