Version <1.0>

Revision History

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| --- | --- | --- | --- |
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# Introduction

This Requirements Management Plan provides an overview of how the requirements of our in online restaurant’ dish order are managed. It includes the purpose, scope, definitions.

## Purpose

This Requirements Management Plan is to describe how the online restaurant’ dish order project will set up requirements documents and requirement types, and their respective requirement attributes and traceability.

## Scope

This Requirements Management Plan aims to people who want to order dishes in the online restaurant.

## References Definitions, Acronyms, and Abbreviations

None

## 1.4 References

# Requirements Management

## Organization, Responsibilities, and Interfaces

In our group, Thao is responsible for Business Modeling, Trang is responsible for Requirements Definition, Anh is responsible for Prototyping, Anh & Trang is responsible for Analysis & Design.

## Tools, Environment, and Infrastructure

This project includes UML diagrams to give descriptions of our restaurant‘s dish order activities. The interface of the bookstore’s website is designed with some programming languages such as CSS, EJS, JavaScript.

# The Requirements Management Program

## Requirements Identification

|  |  |  |
| --- | --- | --- |
| **Artifact**  **(Document Type)** | **Traceability Item** | **Description** |
| Stakeholder Requests (STR) | Stakeholder Request (STRQ) | Key requests, including Change Requests, from stakeholders |
| Vision (VIS) | Stakeholder Need (NEED) | Key stakeholder or user need |
| Vision (VIS) | Feature (FEAT) | Conditions or capabilities of this release of the system |
| Use-Case Model | Use Case (UC) | Use cases for this release, documented in Rational Rose |
| Supplementary Specification (SS) | Supplementary Requirement (SUPP) | Non-functional requirements that are not captured in the use-case model |

## Traceability

Traceability matrix and traceability graph can be made to enable users to find the full information of each requirement and track every change that was made to the requirements.

## Attributes

**3.3.1 Attribute Matrix**

The following table lists the necessary types created in the required pro and the attributes associated with each type of requirement. To handle project specifications, it is recommended to use the indicated attributes. X- the attribute are mandatory. For a requirement form type, this attribute will be visible in requirement pro.

O-the attributes are optional. This attribute will be noticeable for a requirement form a requirement form in requisite pro and will be given default value if the attribute is not selected by the user

Blank cell means that attribute does not apply to the requirement type and hence will not be visible to the user.

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Stakeholder Request** | **Feature** | **Use Case** |
| **Description** | X | X | X |
| **Target Release** |  | X | X |
| **Actual Release** |  | X | X |
| **Status** | X | X | X |
| **Priority** | X | X |  |
| **Assigned To** |  | X |  |
| **Rationale** |  | X |  |
| **Assumptions** | O | X |  |
| **Risk** | X | X |  |
| **Source** | X | X |  |
| **Complexity** |  | X |  |
| **Volatility** |  | X |  |
| **Part** |  |  | X |
| **Analyst** | X | X | X |
| **Architect** |  | X | X |
| **Planned Iteration** |  |  | X |
| **Actual Iteration** |  |  | X |
| **Notes** | X | X | X |

## Reports and Measures

All the reports in this Requirement Definition are formatted as Rational Unified Process (RUP) specific documents.

The Rational Unified Process (RUP) is an iterative software development process framework created by the Rational Software Corporation, a division of IBM since 2003. RUP is not a single concrete prescriptive process, but rather an adaptable process framework, intended to be tailored by the development organizations and software project teams that will select the elements of the process that are appropriate for their needs. RUP is a specific implementation of the Unified Process.

## Requirements Change Management

# Firstly, business modeling is required. Then, our group discuss and make the decision on what our project needs, assign specific tasks to each member to establish an online restaurant web page. Finally, Trang and Anh is assigned to be in charge of the Requirements Definition part and set out Requirements Management Plan

# Milestones

* 28-12-2020: Ideas on requirements were proposed.
* 30-12-2020: Ideas were unified to make the official and ultimate requirements of this project.

01-01-2021: Set out the Requirements Management Plan.

* 02-01-2021 – 06-01-2021: Modified and completed the Requirements Management Plan.

# Training and Resources

- Draw.io or similar software is required to draw UML diagrams included in our project report.

- Visual studio code or programming software is required to build our online restaurant‘s dish order website.

- Node.js environment is also required because our website‘s backend is designed with Node.js.