Requirements Description

# Introduction

This Requirements Description provides an overview of how the requirements of our in online shop’s comestics order are managed. It includes the purpose, scope, definitions.

## Purpose

This Requirements Description is to describe how the online shop’s comestics order project will set up requirements documents and requirement types, and their respective requirement attributes and traceability.

## Scope

This Requirements Description aims to people who want to order comestics in the online shop.

## References Definitions, Acronyms, and Abbreviations

None

## References

# Requirements Management

## Tools, Environment, and Infrastructure

This project includes UML diagrams to give descriptions of our shop’s comestics order activities. The interface of the bookstore’s website is designed with some programming languages such as CSS, JavaScript, with using bootstrap as library to contribute to interface.

# 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

**3.4.1 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

# Training and Resources

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

- Visual studio code or programming software is required to build our online shop’s comestics order website.

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