Computer Shop Management System

Requirements Management Plan

Revision History

Date	Version	Description	Author
7/1/2018	1.0	<details>	Luong Thai Duong Tran Hoang Anh

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Requirements Management Plan

1. Introduction

This Requirements Management Plan provides an overview of how the requirements of our online computer shop are managed. It includes the purpose, scope, definitions.

1.1 Purpose

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

1.2 Scope

This Requirements Management Plan aims to people who is planning to establish an online computer shop.

1.3 Definitions, Acronyms, and Abbreviations

• HANU – Hanoi University

2. Requirements Management

2.1 Organization, Responsibilities, and Interfaces

In our group, Duong is responsible for Business Modeling, Hoang Anh and Duong is responsible for Requirements Definition, Hien is responsible for Analysis & Design and Prototyping.

2.2 Tools, Environment, and Infrastructure

This project includes UML diagrams to give descriptions of our computer shop 's activities. The interface of the bookstore's website is designed with some programming languages such as HTML, CSS, JavaScript.

3. The Requirements Management Program

3.1 Requirements Identification

Artifact (Document Type)	Traceability Item	Description
Stakeholder Requests (STR)	Stakeholder Request (STRQ)	Key requests, including Change Request, 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, document in Rational Rose
Supplementary Specification (SS)	Supplementary Requirement (SUPP)	Non-functional requirements that are not captured in the use case model

3.2 Traceability

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

3.3 Attributes

3.3.1 Benefit

Requirements management plan helps the entire project group to be on the same page on requirements related matters. As a result, it can help ensure:

• Better communication and teamwork on requirements.

• This can increase the odds of project success – including meeting customer needs well, and achieving faster time-to-market.

• These benefits are especially true for large projects that involve multiple, globally distributed functional units.

3.3.2 Stability

High (> 50%).

3.3.3 Assigned to

In this project, the Requirement Definition including all of its contents is assigned to Nguyen Thi Hien, Luong Thai Duong, and Tran Hoang Anh , class 4C15, Hanoi University (HANU).

3.3.4 Reason

The Requirements Management Plan contains information that may be covered to a greater or lesser extent by other plans. The following approaches can be used to handle this potential overlap:

•   Reference the content in another plan.

•   Provide the overview in another plan and provide greater detail in this plan. References from these other plans to the Requirements Management Plan may be useful. This often works well on large projects with a separate organization that is responsible for managing requirements.

•   Tailor the document sections to cover only those areas that are not covered elsewhere.

3.4 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.

3.5 Workflows and Activities

Firstly, business modeling is required. Then, all the members discuss and make the decision on what our group needs to establish an online bookstore. Finally, Duong and Hien is assigned to be in charge of the Requirements Definition part and set out Requirements Management Plan.

4. Milestones

•   30-12-2017: Ideas on requirements were proposed.

•   01-01-2018: Ideas were unified to make the official and ultimate requirements of this project.

•   02-01-2018: A Requirements Management Plan was set out.

•   03-01-2018 – 07-01-2018: The Requirements Management Plan was modified and completed.

5. Training and Resources

Visual Paradigm or similar software is required to draw UML diagrams included in our project report. Notepad++ or programming softwares is required to build our online bookstore 's website. Since our website 's backend is designed with Node.js, Node.js environment is also required.