HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

School of Information and Communications Technology

Software Requirement Specification

Version 1.1

An Internet Media Store

Subject: Thiết kế và xây dựng phần mềm

|  |  |
| --- | --- |
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Table of contents

Table of contents 1

1 Introduction 2

1.1 Objective 2

1.2 Scope 2

1.3 Glossary 2

1.4 References 2

2 Overall requirements 3

2.1 Actors 3

2.2 General use case diagram 3

2.3 Lower-level use case diagrams 3

2.4 Business processes 3

3 Detail requirements 5

3.1 Specification of Use case UC001 - “Tìm kiếm sản phẩm” 5

3.2 Specification of Use case UC002 - “” 6

4 Supplementary specification 8

4.1 Functionality 8

4.2 Usability 8

4.3 Reliability 8

4.4 Performance 8

4.5 Maintainability 8

4.6 Design Constraints 8

# Introduction

## Objective

This document presents the detailed description for User management subsystem, user group and their usable function at run time. This document also describes the objectives and features of the system, interfaces and constraints of the system in response to external action.

This document is for stakeholders and related software developers.

## Scope

<Describe the problem statement here>

## Glossary

*<Listing and explaining the terms appearing in the software’s profession and this documents. Any assumption of the reader’s prior knowledge or experience on the subject is ill advised>*

## References

*<Listing the referenced material used in this documents, including the one related to the project>*

# Overall requirements

## Actors

<List of actors and their descriptions>

## General use case diagram

A diagram of a product

Description automatically generated

## Lower-level use case diagrams

<Lower-level use case diagrams if any. If the general use case diagram has too many use cases (more than 20), you can group some related use cases to one complex use case. Each complex use case should have at least one lowever-level use case diagram>

## Business processes

1. Activity diagram – Search Product

A diagram of a diagram

Description automatically generated with medium confidence

# Detail requirements

Details of the use cases given in following sections are specified below.

## Specification of Use case UC001 - “***Xem cửa hàng***”

1. **Use case code**

UC001

1. **Brief Description**

Xem các sản phẩm có trong cửa hàng và cho vào giỏ hàng

1. **Actors**

3.1. Khách hàng

1. **Preconditions**

Không có

1. **Basic Flow of Events**

Step 1. Khách hàng khởi động AIMS

Step 2. Aims hiển thị các sản phẩm đề cử hoặc sản phẩm được tìm kiếm

Step 3. Khách hàng chọn 1 sản phẩm

Step 4. AIMS hiển thị thông tin chi tiết sản phẩm

Step 5. Khách hàng chọn số lượng sản phẩm và đặt hàng

Step 6. AIMS thêm sản phẩm vào giỏ hàng

1. **Alternative flows**

Bảng 1-Luồng sự kiện thay thế của Use case "Tìm kiếm sản phẩm"

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **STT** | **Vị trí** | **Điều kiện** | **Hành động** | **Vị trí tiếp tục** |
|  | Tại bước 3 | Khách hàng chọn tìm kiếm sản phẩm | * Chuyển sang UseCase tìm kiếm | UC Tìm kiếm |
|  | Tại bước 3 | Khách hàng chọn thêm sản phẩm |  | Step 6 |

1. **Input data**

Bảng 2 – Dữ liệu đầu vào của UC “Tìm kiếm sản phẩm”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data fields | Description | Mandatory | Valid condition | Example |
| 1 | Spinner | Chọn số lượng | Yes | Ít hơn số lượng tối đa | 12 |

1. **Output data**

**Không có**

1. **Postconditions**

Không có

## Specification of Use case UC002 - “”

1. **Use case code**

UC002

1. **Brief Description**
2. **Actors**
3. **Preconditions**
4. **Basic Flow of Events**
5. **Alternative flows**

Bảng 4-Luồng sự kiện thay thế của Use case ""

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **STT** | **Vị trí** | **Điều kiện** | **Hành động** | **Vị trí tiếp tục** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Input data**

Bảng 4 - Dữ liệu đầu vào của UC “”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data fields | Description | Mandatory | Valid condition | Example |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |

1. **Output data**

Bảng 6 – Dữ liệu đầu ra của UC “Thanh toán đơn hàng”

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

1. **Postconditions**

# Supplementary specification

*<Presenting other requirements if necessary, including non-functional requirements such as performance, reliability, usability, and supportability; or other technical requirements such as database system, used technology…>*

## Functionality

<List of the functional requirements that are general to many use cases. E.g. Among the flow of events of use case, in all the steps that interacts with the database system, if there are errors in the connection or operation processes, there need to be a corresponding error notifications so that the actor knows that the error is related to the database system rather than the user>

## Usability

<Requirements that relate to, or affect, the usability of the software. Examples include ease-of-use requirements or training requirements that specify how readily the software can be used by its actors>

## Reliability

<Any requirements concerning the reliability of the software. Quantitative measures such as mean time between failure or defects per thousand lines of code should be stated>

## Performance

<The performance characteristics of the software. Include specific response times. Reference related use cases by name>

## Maintainability

<Any requirements that will enhance the supportability or maintainability of the software being built>

## Design Constraints

<Any design constraints on the software being built>