Computer Shop System

Vision (Small Project)

Version 1.0

Revision History

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Table of Contents

1. Introduction 2

1.1 References 2

2. Positioning 2

2.1 Problem Statement 2

2.2 Product Position Statement 2

3. Stakeholder and User Descriptions 2

3.1 Stakeholder Summary 2

3.2 User Summary 2

3.3 User Environment 2

3.4 Summary of Key Stakeholder or User Needs 2

3.5 Alternatives and Competition 2

4. Product Overview 2

4.1 Product Perspective 2

4.2 Assumptions and Dependencies 2

5. Product Features 2

6. Other Product Requirements 2

Vision (Small Project)

# Introduction

Vision is to collect, analyze, and define high-level needs and features of the online computer shop management project. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the online computer shop management project fulfills these needs are detailed in the use-case and supplementary specifications.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Creating convenience when buying computers and managing computers in the store |
| affects | Customers and Storekeepers |
| the impact of which is | Inconvenient to buy computers |
| a successful solution would be | Online computer shopping |

## Product Position Statement

|  |  |
| --- | --- |
| For | Computer Shop |
| Who | Need an online management system |
| The (product name) | Is a Web-based Online System |
| That | Provides latest information for the Customers and the Storekeepers |
| Unlike | Manual in-person computer shop system |
| Our product | Computer Shop Management System |

# Stakeholder and User Descriptions

The Computer Shop Management System that is to be developed provides the customers of the and employees of the computer shop with computers’ information, online shopping of computers and many other facilities. The Computer Shop Management System is supposed to have the following features:

* The system provides login/ logout function for the user.
* The system provides signup function for the user.
* The system provides both guest and customer view news and product.
* The system provides the customers with online shopping of computerrs capabilities.
* The system allows the members to rate the quality of computers and write reviews on computers.
* The systems allows the customers to add products to their shopping cart.
* The system provides the customers to make payment.
* The system allows the computer shop employees manage product function.
* The system allows the computer shop employees to update the information as well as the images of computers on the website
* The system allows the computer shop employees manage order function.
* The system allows the computer shop employees manage product function.
* The system allows the computer shop employees manage customer function.
* The system allows the computer shop employees manage product function.
* The system allows the computer shop employees to check quantity of the computers in stock.

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| Name | Description | Responsibilities |
| Computer shop employee | Computer shop employee manages computers | Uses the computer shop management system to manage computers in the store |
| Customer | The person who buys computers from the computer shop | Uses the computer shop management system to buy books and view news and product and make payment of these goods |
| Guest | The person who just want information about the product | Uses the computer shop management system just to views the news and specification of product |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Responsibilities | Stakeholder |
| Computer shop employee | Key user of the system | Uses the computer shop management system to manage computers in the store | The stakeholder is also a computer shop employee |
| Customer | Key user of the system | Uses the computer shop management system to buy books and view news and product and make payment of these goods | The stakeholder is also a customer |
| Guest | Key user of the system | Uses the computer shop management system just to views the news and specification of product | The stakeholder is also a guest |

## User Environment

The users of the system are employees, guest and customers of computer shop. The system must be active 24/24 to meet the demand of the customers. The computer shop employees work with computers in the store to administer the online computer shop management system. The customers use computers, mobile phones or any other Internetconnected electronic devices to access this system at home or at any other locations. This system requires Internet Explorer or similar web browsers.

## Summary of Key Stakeholder or User Needs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Need | Priority | Concerns | Current Solution | Proposed Solutions | |
| Database failing should be 0% | High |  | Upgrade the database. Database should never fail. | | Increase the Server speed. Maintain the database |

## Alternatives and Competition

None

# Product Overview

## Product Perspective

The Computer Shop Management System brings about great benefits to the customers, guest and employees of computer shop. It make customer, guest and employee more convennient operation. The system also provides news, computers catalog and the specification of product to help them have an overall information of the computer they want and also helps them to decide on the computer to buy on the computer shop. The computer shop employees can keep the computers catalog updated all the time so that the customers always get the up-to-date information.

## Assumptions and Dependencies

- The users have sufficient knowledge of computers.

- The users know the Vietnamese language, as the user interface will be provided in Vietnamese.

- The existing database can be integrated with the Human Resource Management.

# Product Features

- The system website is capable of display correctly on different devices web browser of any screen size (i.e. responsive design).

- All system website functions are available through popular web browsers; for instance, Google Chrome, Mozilla Firefox, Opera, Safari, Microsoft Edge, Internet Explorer

# Other Product Requirements

## Applicable Standards

User should have network facilities.

## System Requirements

The major dimensioning characteristics of the software that impact the architecture and performance constraints:

* The system shall support up to 1000 concurrent users against the primary database at any given time, and up to 500 concurrent users against the local servers at any one time.
* The system must perform all functions with minimal time delays.
* The system must also accurately save all information transactions.