Computer Parts Online Shop

Version <1.0>

Revision History

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# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the Computer Parts Online Shop. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the Supermarket Manager fulfills these needs are detailed in the use-case and supplementary specifications.

The introduction of the Vision document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this Vision document.

## Purpose

The purpose of this Vision document is to describe a client-server application for the users and the administrator of a computer parts online shop.

## Scope

The application is a way for the guests to visualize, create an account, buy computer parts, review products and see reviews from other clients and also a way for the administrator to manage the online shop by modifying stocks and block users if needed.

## Definitions, Acronyms, and Abbreviations

In my application I will use PostgreSQL , JDK for Java . SQL means Structured Query Language,and JDK is Java Development Kit.

## References

## Overview

This application will try to help the shop’s customers to buy their things easier.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Lack of information |
| affects | The customers |
| the impact of which is | Spending a lot of time and probably buying the wrong computer parts |
| a successful solution would be | A computer parts online shop which describes well the components that are sold in this online shop. |

## Product Position Statement

|  |  |
| --- | --- |
| For | People who need computer parts |
| Who | Want to choose and buy the suitable parts for them |
| The (product name) | is a software application |
| That | Helps people choose their parts wisely |
| Unlike | Currently available applications |
| Our product | Provides customers an easy way to buy the best computer parts for them. |

# Stakeholder and User Descriptions

Design and implement a client-server application for an online computer parts shop. The application should have three types of users (a guest user who can only see the products, a customer who can buy and review things, and an administrator user) which have to provide a username and a password in order to use the application.

## Stakeholder Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | | **Responsibilities** |
| Software Architect | | The one who is in charge for the development of the online shop | Responsible for the project design and architecture and the future implementation |
| Project Manager | | Manages the development of the online shop | Allocates resources, decides priorities, organize the time for the work |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Guest user | The user who only visits the sites | [Log in to an existing account  Create an account.  Visualize products and users’ comments |  |
| Logged in user | Still a customer but can do more things | Leave comments for products  Edit account settings  Add products to shopping cart  Place orders and pay online |  |
| Administrator | The one who manages the site | CRUD operations on products  Block users for bad language |  |

## User Environment

The users will use the application anywhere The number of people that can use the application is diverse, depending on the needs of completing different tasks. This number will change constantly. An unique constraints can be the internet connection. The application cross-platform.

# Product Requirements

To implement this application I will need a computer and choose a programming language that can have a connection with the SQL Server (this will be used for creating a database).