

**<<Project name>>**

**Software Requirement Specification**

– Hanoi, August 2022 –

Record of changeS

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
| 7/2 | A | GiangNXT | Add screen flow I.2.a |
| 8/2 | A | GiangNXT | Add introduction (I.1), screen details(I.2.b), User Authorization(I.2.c) |
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\*A - Added M - Modified D - Deleted

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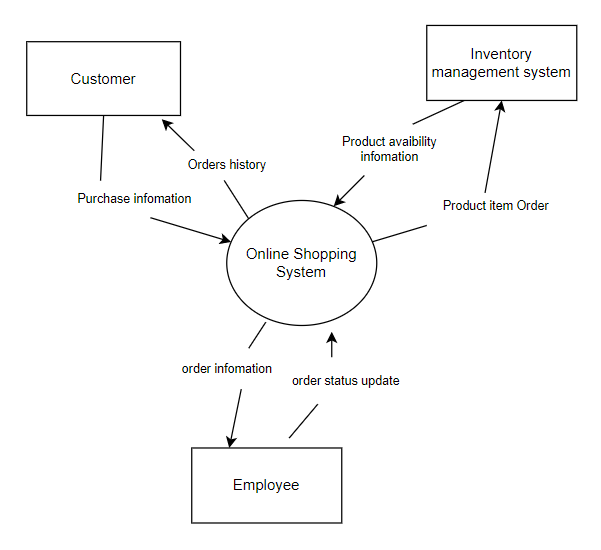
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# I. Overview

## 1. Introduction

The shopping online system is an e-commerce platform that allows users to purchase products (phone or laptop). The system will be used in a web-based environment and is accessible through a desktop or mobile device with an internet connection. The users of the system are customers who are looking to purchase products.

Constraints for the system include the requirement for accurate product information and inventory management. Assumptions for the system include a stable internet connection and a functional web browser. Dependencies for the system include a database to store customer information and purchase history.



## 2. System Functions

#### a. Screen Flow

#### b. Screen Details

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Feature** | **Screen** | **Description** |
| 1 | Public | Home Page | - Show navigation bar: product search box, product categories (phone or laptop), cart - Shown featured products; - Shown product information includes its thumbnail, title, brief information; the user is redirected to the product's details on his/her clicking |
| 2 | Public | Products List | - Show navigation bar: product search box, product categories (phone or laptop), cart  - Show the products paginated (sorted by updated date)  - Shown product information includes its thumbnail, title, brief information, original price, and sale price;  - The user is redirected to the product's details on his/her clicking on the product |
| 3 | Public | Product Details | - Show navigation bar: product search box, product categories (phone or laptop), cart  - Show product details (including title, category, images, original price, sale price, and detail information) |
|  |  |  |  |
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#### c. User Authorization

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Screen** | **Guest** | **Customer** | **Sale** | **Warehouse Manager** | **Admin** |
| Home Page | X | X |  |  |  |
| Products List | X | X |  |  |  |
| Product Details | X | X |  |  |  |
|  |  |  |  |  |  |
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In which:

* Guest: unregister user
* Customer: customers or potential customers
* Sale: the sale members of the organization
* Warehouse Manager: the warehouse manager in the organization
* Admin: the organization leader/manager, acts as the system administrator

#### d. Non-Screen Functions

*[Provide the descriptions for the non-screen system functions, i.e batch/cron job, service, API, etc.]*

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Feature** | **System Function** | **Description** |
| 1 | <<Feature Name>> | <<Function Name1>> | <<Function Name1 Description>> |
| 2 | … |  |  |

## 3. Entity Relationship Diagram

# II. Functional Requirements

## 1. <<Feature Name 1>>

### a. <<Function Name 1>>

*[A function can be a screen or a non-screen function (listed in the part I.2.d above). In this part, you need to provide the details on the related function, focus on mentioning below information*

* *Function trigger: how this function is triggered (navigation path, a timing frequency, etc.)*
* *Function description: actors/roles, purpose, interface, data processing, etc.*
* *Screen layout: mockup prototype of the screen, sample below is for Manage Products screen*

**

* *Function Details: provide explanation for the data, validation, business logics, functionalities (for both normal cases and abnormal cases), etc. of the function so that the reader can image how it work.*

*]*

### b. <<Function Name 2>>

…

## 2. <<Feature Name 2>>

…