

**Online-Shopping-for-Baking-Ingredients**

**System Software Design Specification**

– Hanoi, August 2022 –

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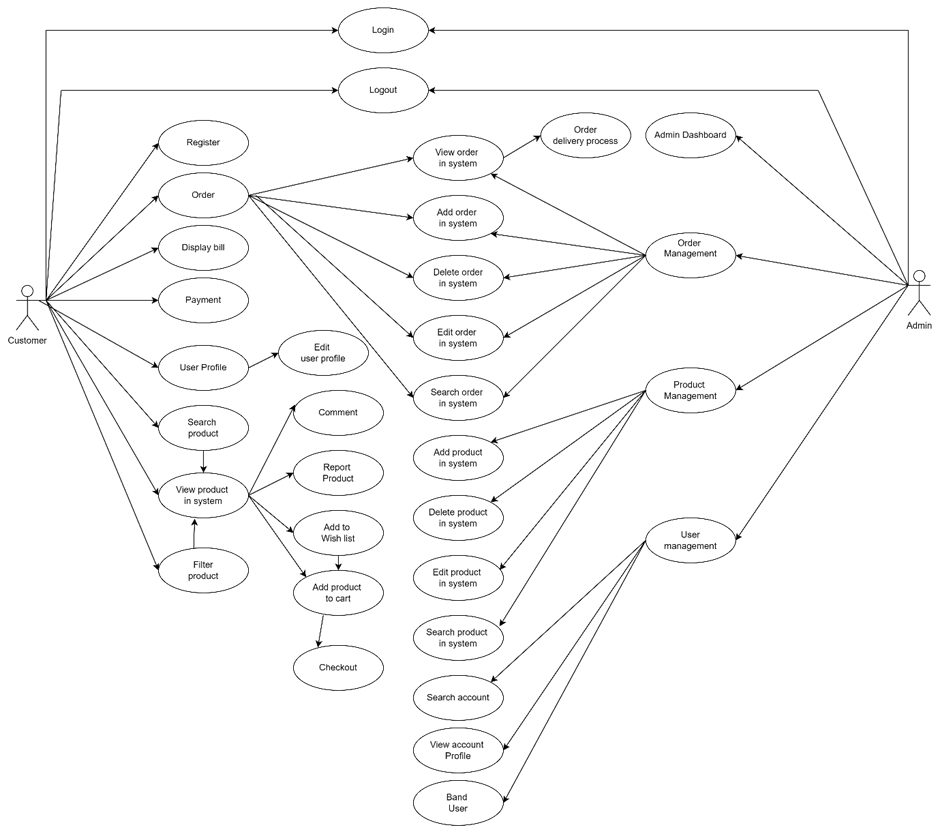
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# I. Overview

## 1. Use Case Diagram



## 2. Use Case

* **Guest use cases**

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | **User case Name** | **Description** |
| UC-01 | Login | Allows the user to enter account & password to login; on this page, there are also links for users to register new information or reset the password for the case they forget it |
| UC-02 | Sign Up Account | Allows the guest to register to the system by inputting following information: full name, email, phone, user name, password, confirm password, dob |
| UC-03 | Add To Cart | Allow user to add selected products to the cart |
| UC-04 | Cart Detail | Allow user view list of selected product in cart |
| UC-05 | Remove Cart Item | User remove chosen product from shopping cart |
| UC-06 | View Product List | Display list of products including thumbnail, name, brief information; divided into multiple pages; when clicking redirect to product details  Allow users to filter products by name, price, brand,... |
| UC-07 | View Product Detail | Show product details and related product |
| UC-08 | View Blog List | Show the paginated list of all blogs. From each blog, the admin can choose to view blog details |
| UC-09 | Update Quantity | Allow user to increase or decrease the number of quantity of a specific product |

* **Customer use cases**

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | **User case Name** | **Description** |
| UC-01 | View Order History | Allow logged in users to view their placed orders |
| UC-02 | Cancel order | User can cancel one or many order(s) |

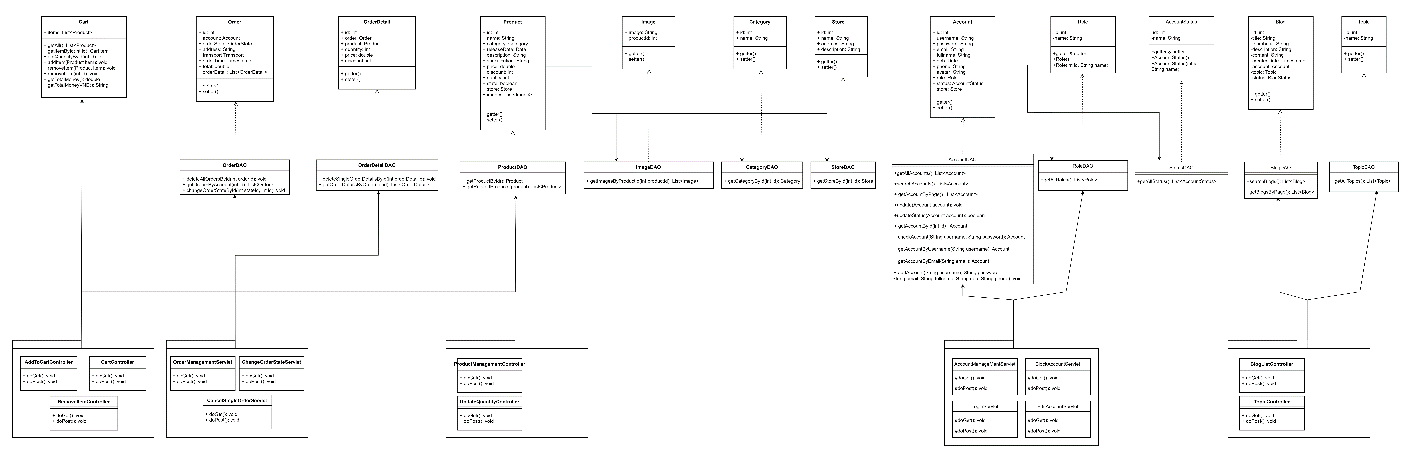
* **Staff use cases**

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | **User case Name** | **Description** |
| UC-01 | View Order Management | Display all order(s), Staff also can manage it such as confirm order, cancel shipping,… |
| UC-02 | Change Order State | Allow Staff to change orders status that the user has been set to buy |

* **Admin use cases**

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | **User case Name** | **Description** |
| UC-01 | View Account List | View all users, from each user, the admin can choose to view details or change account status |
| UC-02 | View Account Detail | Allow admin to view details of account and edit some account information |
| UC-03 | Change Account Status | Allows the admin to block or re-active an account |

## 3. Class Diagram



# II. Code Designs

## 1. Login

Sequence Diagram(s)

**Diagram, timeline

Description automatically generated**

## 2. Sign up Account

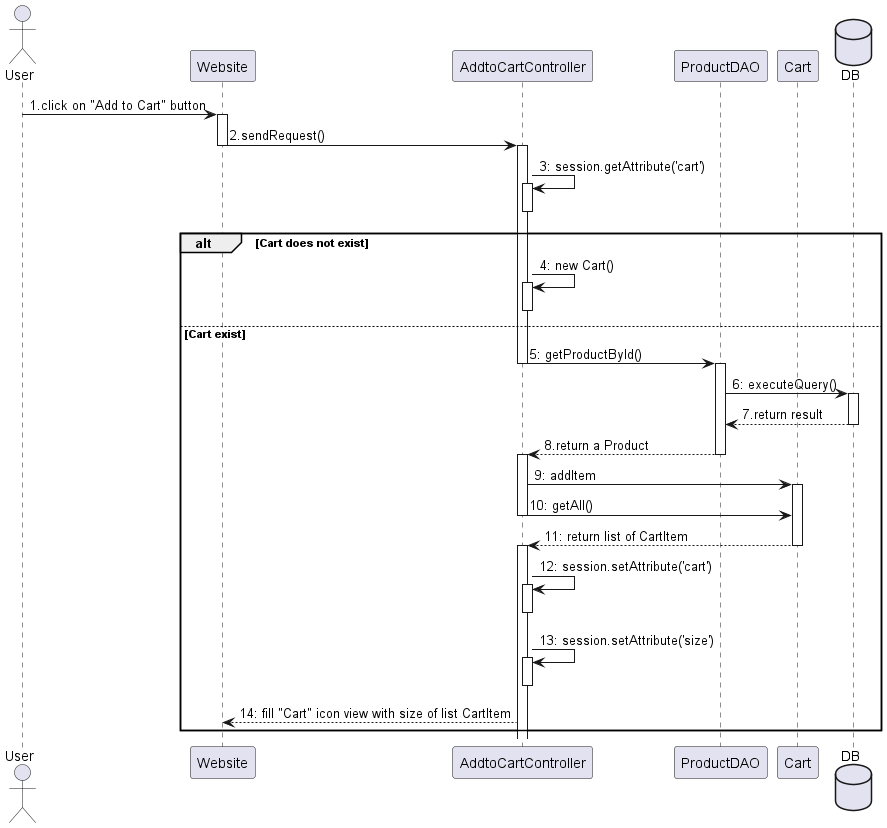
Sequence Diagram(s)

**Diagram

Description automatically generated**

## 3. Add to Cart

Sequence Diagram(s)



## 4. Cart Detail

Sequence Diagram(s)

**Diagram, engineering drawing

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## 5. Remove Cart Item

Sequence Diagram(s)

**Diagram

Description automatically generated**

## 6. View Product List

Sequence Diagram(s)

**Diagram

Description automatically generated**

## 7. View Product Detail

Sequence Diagram(s)

**Diagram

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## 8. View Blog List

Sequence Diagram(s)

**Diagram

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## 9. Update Quantity

Sequence Diagram(s)

**Diagram

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## 10. Cancel Order

Sequence Diagram(s)

**Diagram

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## 11. View Order Management

Sequence Diagram(s)

***Diagram

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## 12. Change Order State

Sequence Diagram(s)

***Diagram

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## 13. View Account List

Sequence Diagram(s)

**Diagram

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## 14. View Account Detail

Sequence Diagram(s)

**Text

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## 15. Change Account Status

Sequence Diagram(s)

**Diagram

Description automatically generated**

## 