1. Use case and UI Design

For each story, there are 2 use cases.

**\*For story one, the use cases are:**

-add a new product into the database

A. Name: Adding a new product

B. Actors: manager or employee

C. Goals: adding a new product into the system.

D. Preconditions: the account should has been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add product’ command, and then fill in the blank boxes. After that, the user confirms the info of new product. Finally, the new product will be added into the system.

F. Related use cases:

Adding a new customer

Adding a order

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Product”  Home screen: | 2. Display “Add Product” screen  “Add Product” screen: |
| 3. input data then click button “Add Product” | 4. “Product added successfully!” prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the new product will be added into the system and then back to main screen.

-add a duplicate product into the database, and the system denies that.

A. Name: Adding a duplicate product

B. Actors: manager or employee

C. Goals: adding a new product into the system.

D. Preconditions: the account should had been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add product’ command, and then fill in the blank boxes with product already exist. After that, the system will prevent the user from adding duplicate product into the database.

F. Related use cases:

Adding a new customer

Adding a order

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Product”  Home screen: | 2. Display “Add Product” screen  “Add Product” screen: |
| 3. input data then click button “Add Product” | 4. error message prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the system will show the error message and back to “add product” view.

**\*For story two, the use cases are:**

-add a new customer into the database

A. Name: Adding a new customer

B. Actors: manager or employee

C. Goals: adding a new customer into the system.

D. Preconditions: the account should had been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add Customer’ command, and then fill in the blank boxes. After that, the user confirms the info of new Customer. Finally, the new customer will be added into the system.

F. Related use cases:

Adding a new product

Adding a order

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Customer”  Home screen: | 2. Display “Add Customer” screen  “Add Customer” screen: |
| 3. input data then click button “Add” | 4. “success message” prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the new customer will be added into the system and then back to main screen.

-add a duplicate customer into the database

A. Name: Adding a duplicate customer

B. Actors: manager or employee

C. Goals: adding a duplicate customer into the system.

D. Preconditions: the account should had been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add Customer’ command, and then fill in the blank boxes with exist customer. After that, the system will prevent the user from adding the customer into database.

F. Related use cases:

Adding a new product

Adding a order

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Customer”  Home screen: | 2. Display “Add Customer” screen  “Add Customer” screen: |
| 3. input data then click button “Add Customer” | 4. error message prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the system will prevent user from adding customer into the database.

**\*For story three, the use cases are:**

-add a new Order into the database

A. Name: Adding a new Order

B. Actors: manager or employee

C. Goals: adding a new order into the system.

D. Preconditions: the account should had been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add Order’ command, and then fill in the blank boxes. After that, the user confirms the info of new order. Finally, the new order will be added into the system.

F. Related use cases:

Adding a new product

Adding a customer

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Order”  Home screen: | 2. Display “Add Order” screen  “Add Product” screen: |
| 3. input data then click button “Add Order” | 4. receipt prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the new order will be added into the system and then back to main screen.

-add a duplicate Order into the database

A. Name: Adding a duplicate Order

B. Actors: manager or employee

C. Goals: adding a duplicate order into the system.

D. Preconditions: the account should had been verified as ‘manager’ of the system

E. Summary: the user chooses ‘Add Order’ command, and then fill in the blank boxes with exist order. After that, the system will prevent the user from adding the order into the database.

F. Related use cases:

Adding a new product

Adding a customer

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Click “Add Order”  Home screen: | 2. Display “Add Order” screen  “Add Order” screen: |
| 3. input data then click button “Add Order” | 4. error message prompted. |
| 5. Click “OK” | 6. Display main screen |

H. Postconditions: the system will prevent the user from adding the order into the database.