**Design Document**

**User Story Use Cases**

As a user, I want to add a new product into the system.

I want to put in information for a valid product and get a message that the product was added.

I want to put in information for an invalid product and get a message that the product could not be added.

As a user, I want to add a new customer into the system.

I want to put in information for a valid customer and get a message that the customer was added.

I want to put in information for an invalid customer and get a message that the customer could not be added.

As a user, I want to add a purchase from a customer into the system.

I want to put in information for a valid purchase and get a message that the purchase was added.

I want to put in information for an invalid purchase and get a message that the purchase could not be added.

Use case 1:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Product from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Product” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User inputs data for a product and clicks add   A screenshot of a cell phone  Description automatically generated | 1. Show a window about the success about adding a product while asking for user input   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the main menu   A screenshot of a cell phone  Description automatically generated |

Use case 2:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Product from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Product” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User does not input all or inputs incorrect information for a product.   A screenshot of a cell phone  Description automatically generated | 1. Show a window about how the product information inputted was wrong   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the Add Product page   A screenshot of a cell phone  Description automatically generated |

Use case 3:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Customer from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Customer” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User inputs data for a customer and clicks add   A screenshot of a cell phone  Description automatically generated | 1. Show a window about the success about adding a customer while asking for user input   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the main menu   A screenshot of a cell phone  Description automatically generated |

Use case 4:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Customer from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Customer” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User does not input all or inputs incorrect information for a customer.   A screenshot of a cell phone  Description automatically generated | 1. Show a window about how the customer information inputted was wrong   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the Add Customer Page   A screenshot of a cell phone  Description automatically generated |

Use case 5:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Purchase from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Purchase” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User inputs data for a purchase and clicks add   A screenshot of a cell phone  Description automatically generated | 1. Show a window about the success about adding a purchase while asking for user input   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the main menu   A screenshot of a cell phone  Description automatically generated |

User case 6:

|  |  |
| --- | --- |
| What the Actor Does | How the System responds |
| 1. User Selects Add/Update Purchase from the main menu   A screenshot of a cell phone  Description automatically generated | 1. Displays a blank “Add Purchase” Page   A screenshot of a cell phone  Description automatically generated |
| 1. User does not input all or inputs incorrect information for a purchase.   A screenshot of a cell phone  Description automatically generated | 1. Show a window about how the purchase information inputted was wrong   A screenshot of a cell phone  Description automatically generated |
| 1. Click the close button on the confirmation window | 1. Return to the Add Purchase page   A screenshot of a cell phone  Description automatically generated |