UI Design Requirements

Client: Acme Insurance Company

Document Prepared by: Rick Willcox

* Requirements brief

The aim of this project is to create a database for the ACME company to store customer information, the products they sell and also which products have been purchased by the customer. Furthermore, it will also be important to be able to add, delete, modify and search for customers and products using the GUI that will be designed. When searching it has been specified that the program must be able to search for at least two criteria’s and return results based on that search. The GUI will display all of this information in an easy to read and understandable format for the end user.

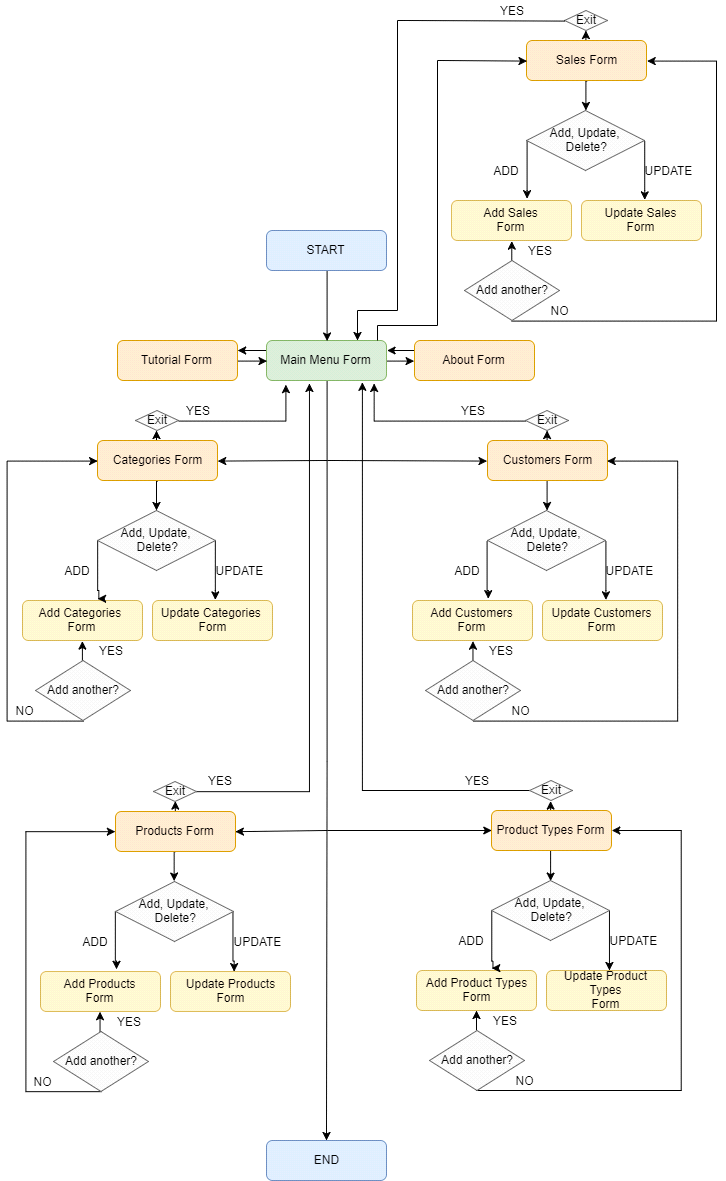
Due to having done a project previously for the ACME company I already know that they are operating on windows 10 and have the necessary requirements to run this application and a SQL Server.

The ACME Style Guide will be used throughout the entire application and every rule specified will be adhered to.

The application will be developed in the IDE Visual Studio using the programming language C#. Other programs used will be Microsoft SQL and in turn some SQL code will also be used.

The Program will retrieve information from the database using data queries such as SELECT, UPDATE, INSERT and DELETE. The information will be presented using tables inside the program window in an easy to read way. The program will be intuitive which will also ease in the learning of the program.

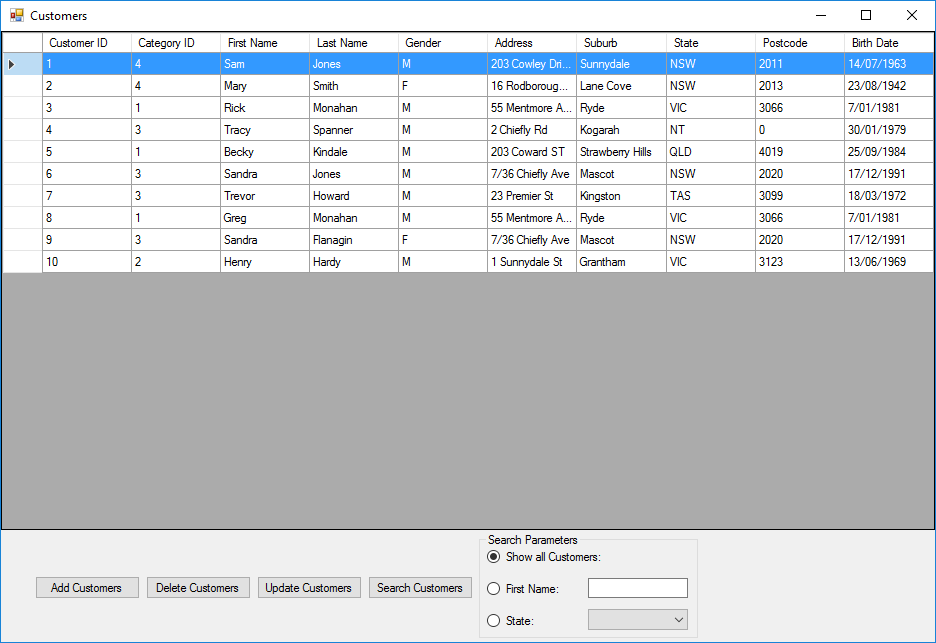
* Application content flow diagram

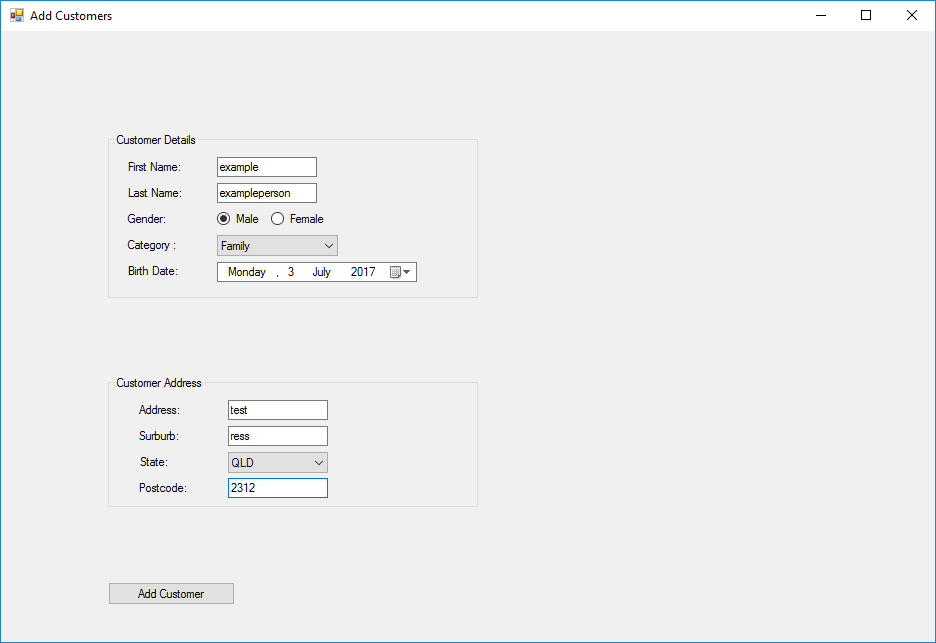


* Images of the Prototypes developed

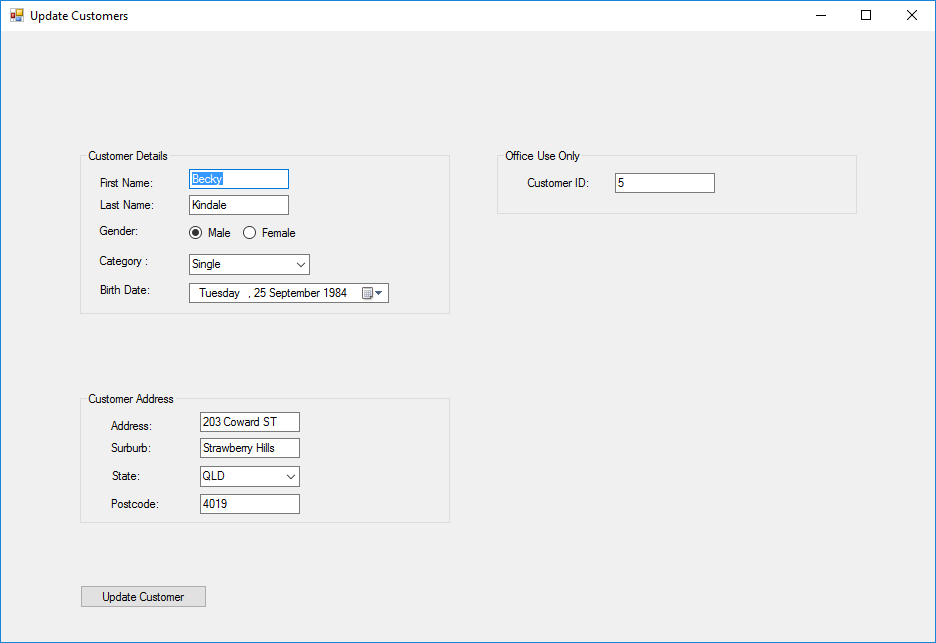
Customers:

Main Customers Screen:

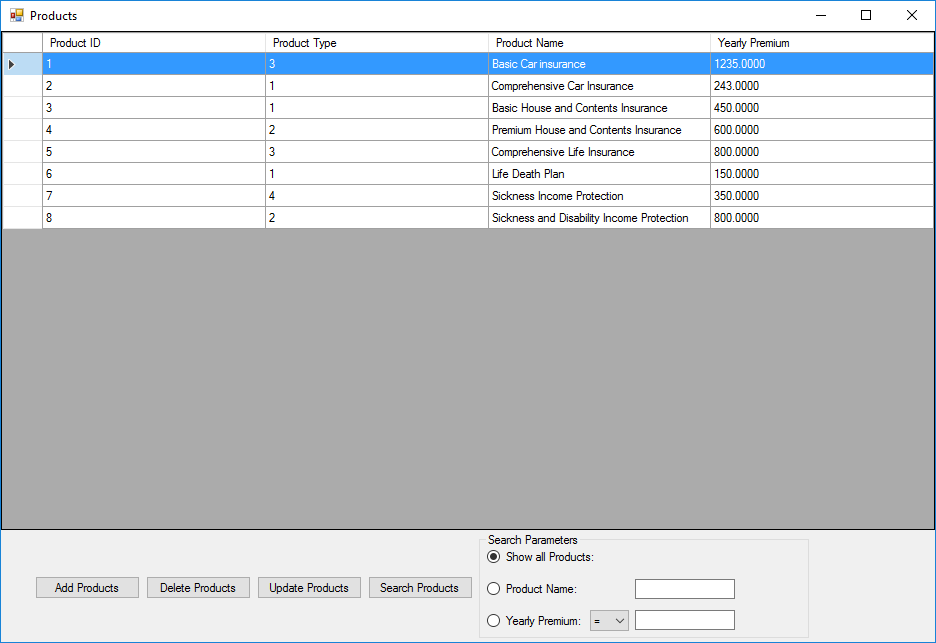


Customers Add Screen:

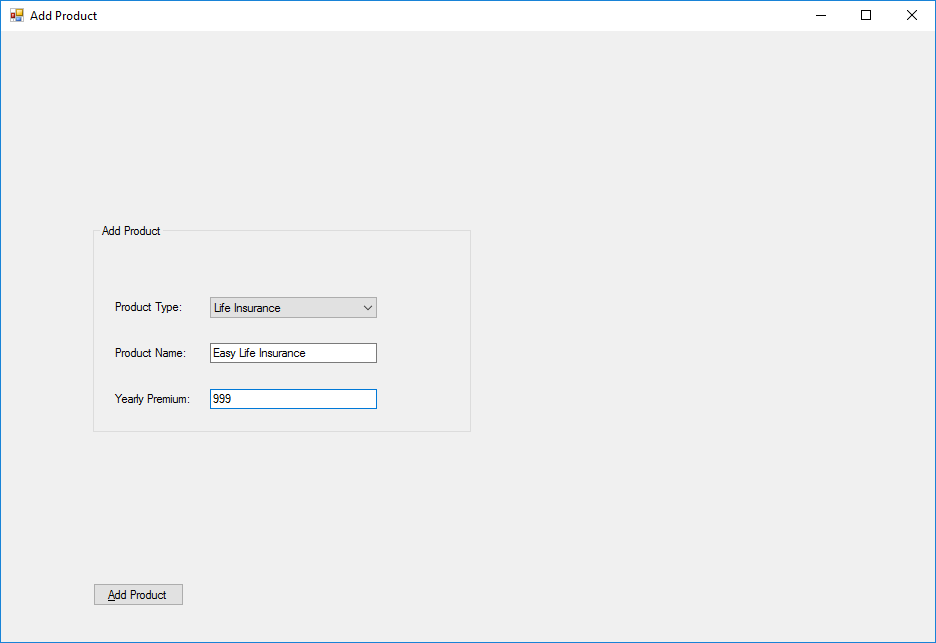
Customers Update Screen:



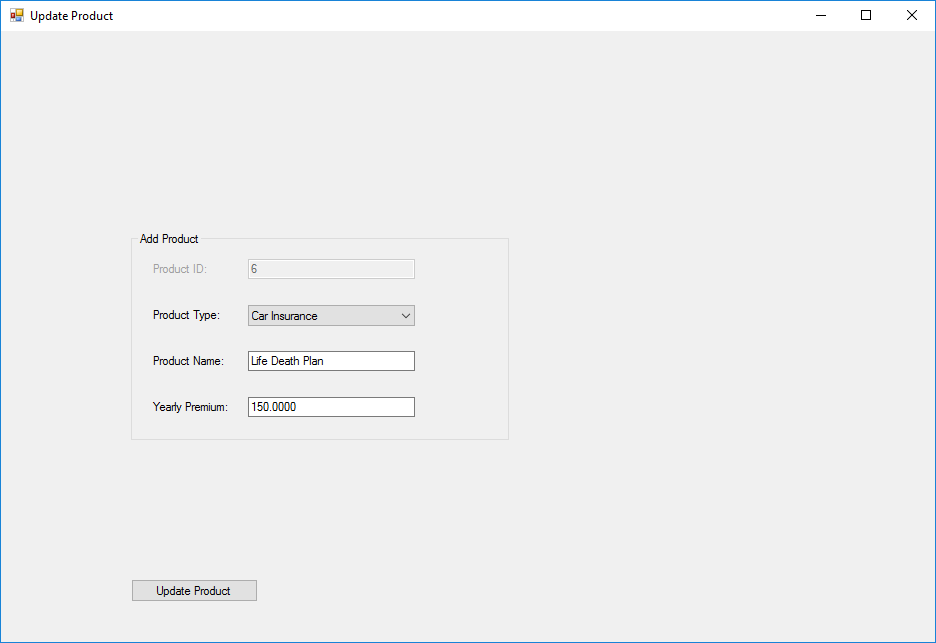
Main Products Screen:



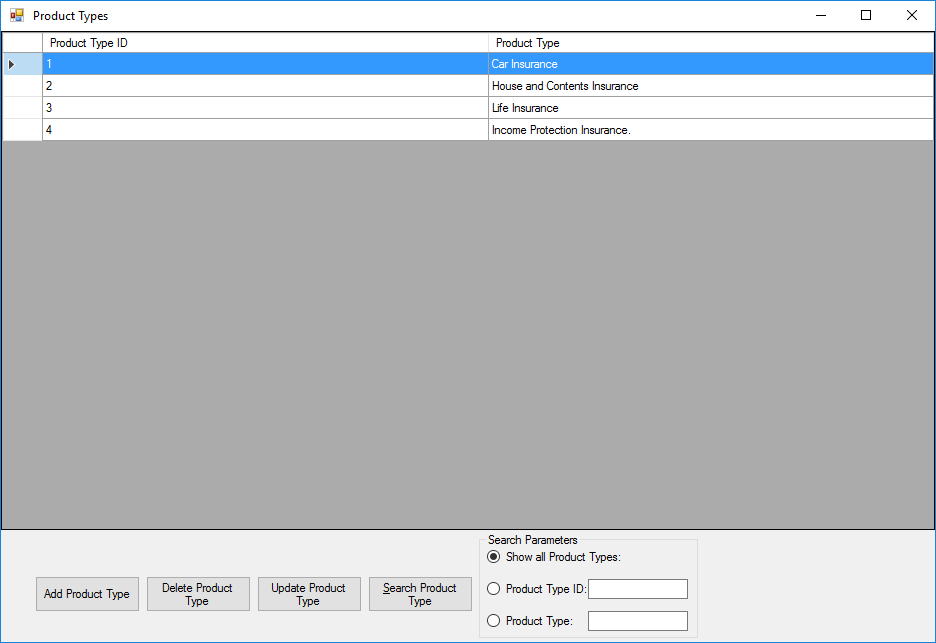
Products Add Screen:



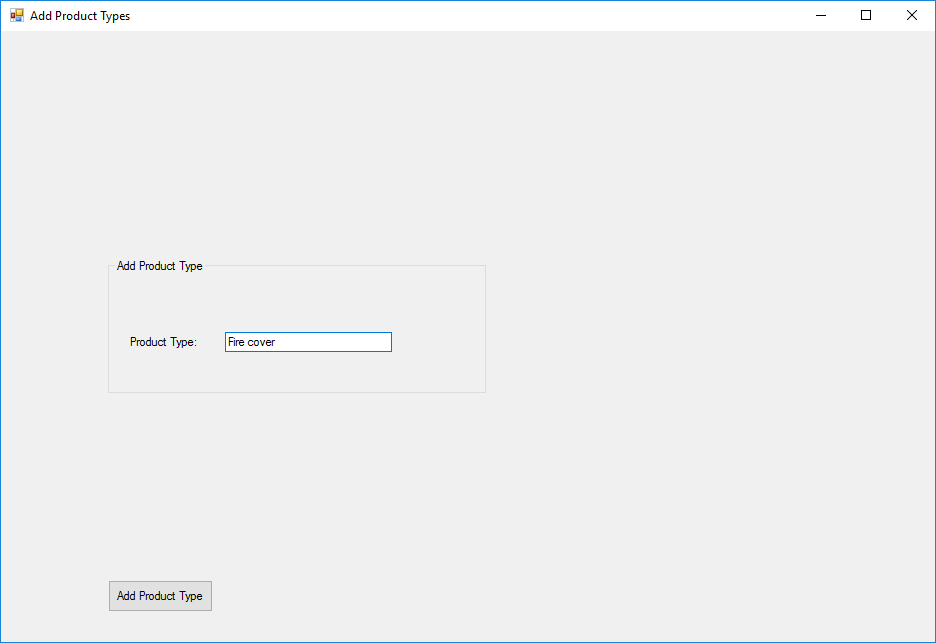
Products Update Screen:



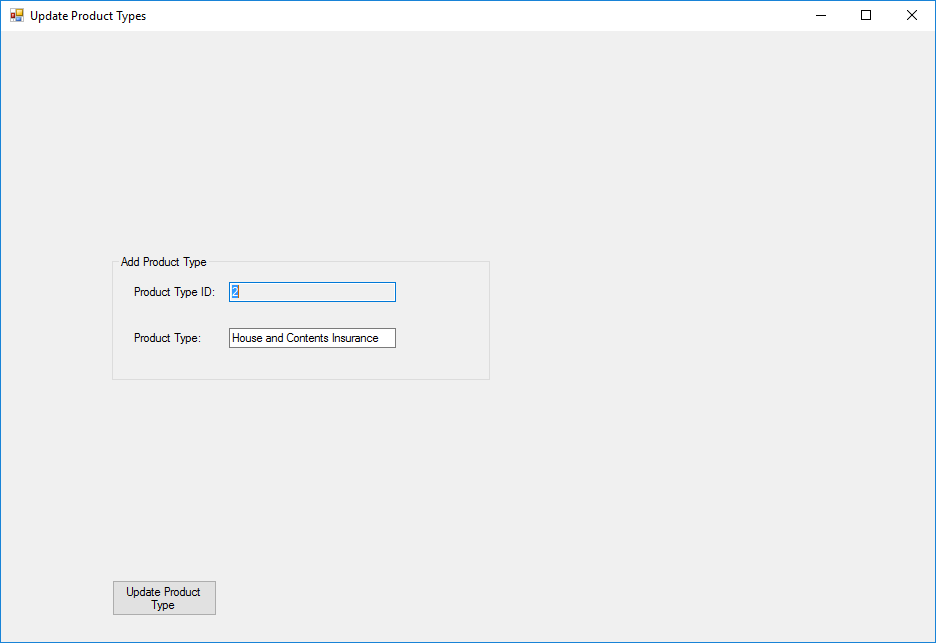
Main Product Types Screen:



Product Types Add Screen:

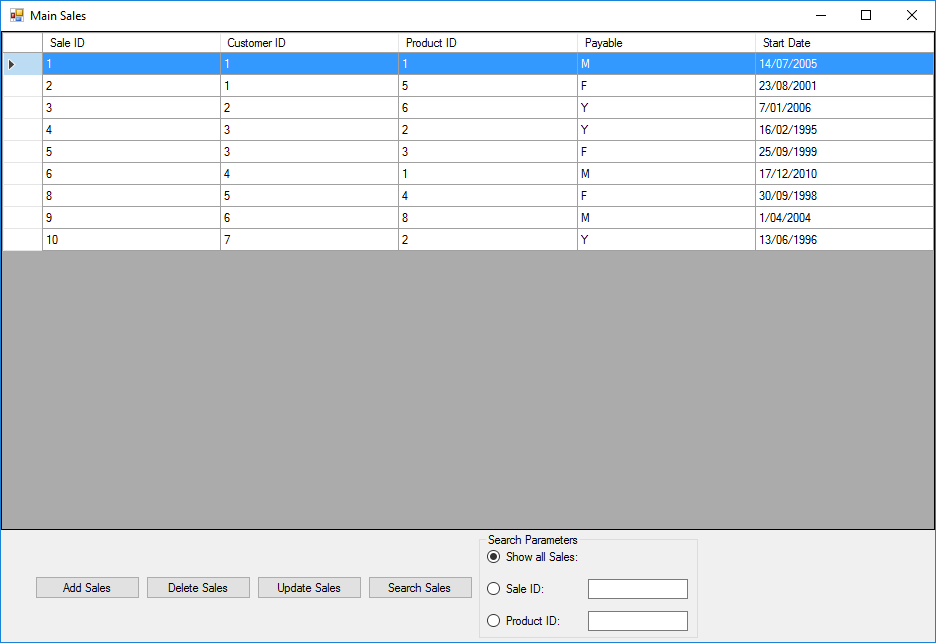


Product Types Update Screen:

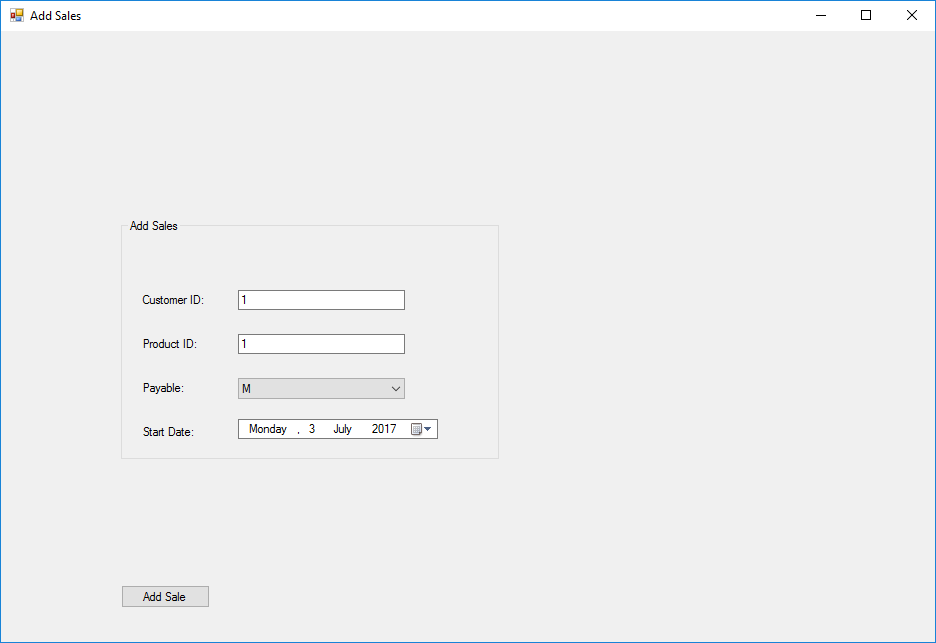


Sales:

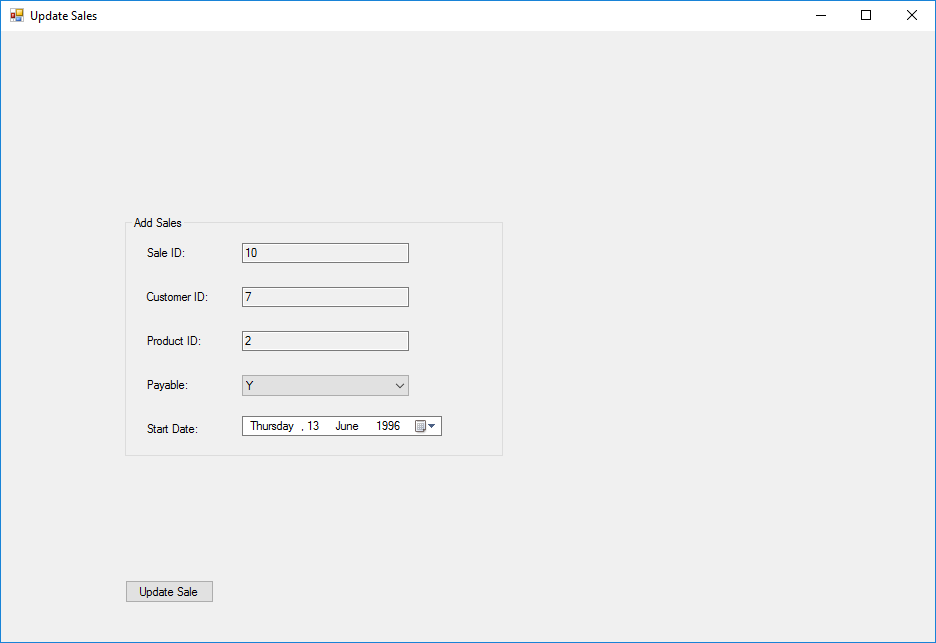
Main Sales Screen:



Sales Add Screen:



Sales Update Screen:



* Changes suggested by the client.

None, The client was happy with the application flow, said everything was stream line and was impressed that the video was going to be a Video.

5.1 Form Name: Maintenance

Form Description: The first screen that is loaded when the program starts

Form: frmMaintenance

Form Components

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Column Names | Control | Property | Value |
| 1. | Customers | button | Name | btnCustomers |
| 2. | Products | button | Name | btnProducts |
| 3. | Sales | button | Name | btnSales |  |  |  |  |
| 4. | Product Types | button | Name | btnProductTypes |  |  |  |  |
| 5. | Categories | button | Name | btnCategories |  |  |  |  |
| 6. | Tutorial | button | Name | btnTutorial |  |  |  |  |
| 7. | About | button | Name | btnAbout |  |  |  |  |

Events Used on the form.

|  |  |  |
| --- | --- | --- |
| Component Name | Event | Description |
| btnCustomers | click | Open the main Customers Form |
| btnProducts | click | Open the main Products Form |
| btnSales | click | Open the main Sales Form |
| btnProductTypes | click | Open the main Product Types Form |
| btnCategories | click | Open the main Categories Form |
| btnTutorial | click | Open the Tutorial Form |
| btnAbout | click | Open the About Form |

Form Name: Main Customers

Form Description: The first screen that is loaded when The Customers Button is clicked from the maintenance page. Displays all customers in the database.

Form: frmMainCustomers

Form Components

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Column Names | Control | Property | Value |
| 1. | Main Customers | Form | Name | frmMainCustomers |
| 2. | Add Customers | Button | Name | btnAddCustomers |
| 3. | Delete Customers | Button | Name | btnDeleteCustomers |
| 4. | Update Customers | Button | Name | btnUpdateCustomers |  |  |  |  |
| 5. | Search Customers | button | Name | btnSearchCustomers |  |  |  |  |
| 6. | Show All Customers | Radio button | Name | rbShowAll |  |  |  |  |
| 7. | First Name | Radio button | Name | rbSearchFirstName |  |  |  |  |
| 8. | State | Radio button | Name | rbSearchState |  |  |  |  |
| 9. | First Name | Text box | Name | txtFirstName |  |  |  |  |
| 10. | State | Combo Box | Name | cbState |  |  |  |  |
| 11. | Customers Table | Data Grid View | Name | dgvCustomers |  |  |  |  |

Events Used on the form.

|  |  |  |
| --- | --- | --- |
| Component Name | Event | Description |
| frmMainCustomers | load | Display all Customers from the Customers Table in the database by default. |
| btnAddCustomers | click | Open the Add Customers Form |
| btnDeleteCustomers | click | Delete the selected Customer |
| btnUpdateCustomers | click | Open the Update Form |
| btnSearchCustomers | click | Displays only those results from the database that conform to the radio button selection |

Approval

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_\_\_\_