**Object-Oriented Analysis**

**Barbican Beach Bar is a new restaurant that was established in the parish of Kingston. To compete with nearby restaurant, the owner would like an automated system that displays a menu and show prices for the items available. This system will create a more reliable, tech-savvy and user friendly customer service that will enhance the customer experience.**

**There are two types of users, these are Admin and Customer. Users have a user name and password. The system should allow the user to login using the following credentials. You are not required to create/register new users.**

Admin

 Username = admin

 Password = admin

Customer

 Username = cust1

 Password = qwerty

Admin users should have the following functionality:

 Add new items to menu

 Edit menu items

 Delete menu items

 Search for menu items

Customer users should have the following functionality:

 View All Items (Menu)

 Search for Items

 View Orders

 **View All Items (Menu)**

The menu will show the list of items with their respective price and preparation time. For each item, the system keeps tracks of the item id (auto), name, price, preparation time and quantity. The preparation time is stored in minutes, the quantity allows the user to select multiple items of the same type. The customer **must** be able to select multiple items from the menu. Once an item is selected the quantity should be specified.

 **Search for Items**

Customers should be able to search for items using the name. Allow the customer to perform multiple searches and item selection.

 **View Orders**

The order screen should show a list of all the orders with the order id (auto), total cost and total preparation time. Orders should be stored to a text file. Customers should also be able to cancel (delete) orders.