"Restaurant Billing Management System"

This project "Restaurant billing management system", is a java project which run on netbeans.We can also run this project in eclipse.With this software the process of a restaurant food selling system can be completed.This project is so simple that no registration or Log-In system has been giver here.So the software is very easy to use and anybody can use this software easily.The first page of the software will have the Manu of the restaurant and customer information enter option.There is also an alert message for incorrect food code.

So,manager will benefit greatly from using this software,as this software will help to automatically bill the food orders of the restaurant.

Contents of the SRS

1. **Category:** What kind of software is it?
    a. Desktop application/Web application/ Android app.
2. **Purpose:** Describe what is the purpose of making this system.
3. **Scope:** What is the area it covering, what is its range, to what limits it will help you.
4. **Introduction:** Define the Proposed system.
5. **Use case diagram:** The use case diagram of this project.
6. **Advantages:** Define the advantages of the system. *(In every perspective).*
7. **Functional Requirements of the System:** The requirements that specify the functional aspects of software are known as functional requirements.

8. **Non-Functional Requirements of the System :** The requirements that are not related to the functional aspect of software fall into the non-functional requirements category.
9. **Software Tools:** Mention the software tools which will involve in all this development process.
10. **Deployment:** What kind of Environment will be needed to deploy the Software?
    a. OS, RAM, Processor and etc.
11. **Hardware Specifications:** The hardware required to develop this system.

"Restaurant billing Management System"

Category

It is a Desktop application

SCOPE

With this software the process of selling a restaurant food can be completed

INTRODUCTION

Proposed System

The system after careful analysis has been identified to be presented with the following modules:

- ✓ **Customer identity:** Manager has to enter customer name and id.
- ✓ **Food selection:** Manager has to enter the correct food code.
- ✓ **Quantity:** Manager has to enter quantity of food.
- ✓ **Calculation:** The system can calculate individual price of food and also can calculate total bill of a customer.
- ✓ **Signature:** There is an automatic signature display of hope manager.
- ✓ **Refresh :** There is also a refresh option .

Advantages

- ✓ Time and Cost Saving
- ✓ Reduces the hassle of accounting separately in an account
- ✓ This software will facilitate the work of a restaurant manager
- ✓ The software will have provide discount option for old customers in future
- ✓ This software will bring flexibility to the manager of the restaurant

FUNCTIONAL REQUIREMENTS

"Functional requirement describe what a system should do."Functional requirements of our system are explained below.

- ✓ Only restaurent manager can access the system.
- ✓ Shop manager can choice new or old customers.
- ✓ Manager can enter customer name and id.
- ✓ Manager can enter selected food code.
- ✓ Manager can enter quantity of selected food list.
- ✓ The system can calculate individual price of food and also can calculate total bill of a customer.
- ✓ There is also a refresh option .

NON FUNCTIONAL REQUIREMENTS

Requirement that specifies criteria that can be used to judge the operation of a system are called non-functional requirements. Non-functional requirements of our system are mentioned below

- Manager details.
- Better component design.
- There is an automatic signature display of manager.

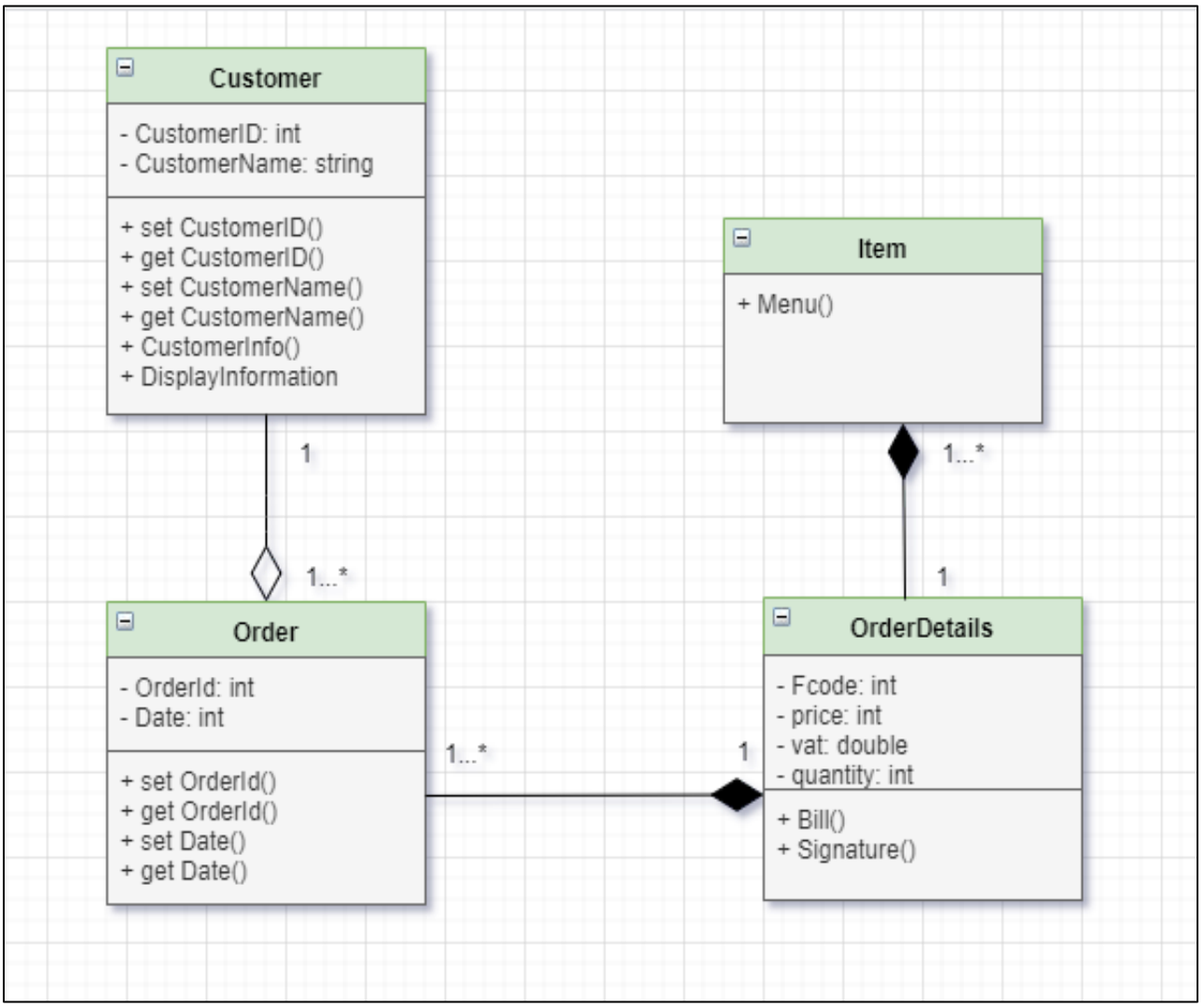
SOFTWARE TOOLS

Database Server: Microsoft SQL Server-2014

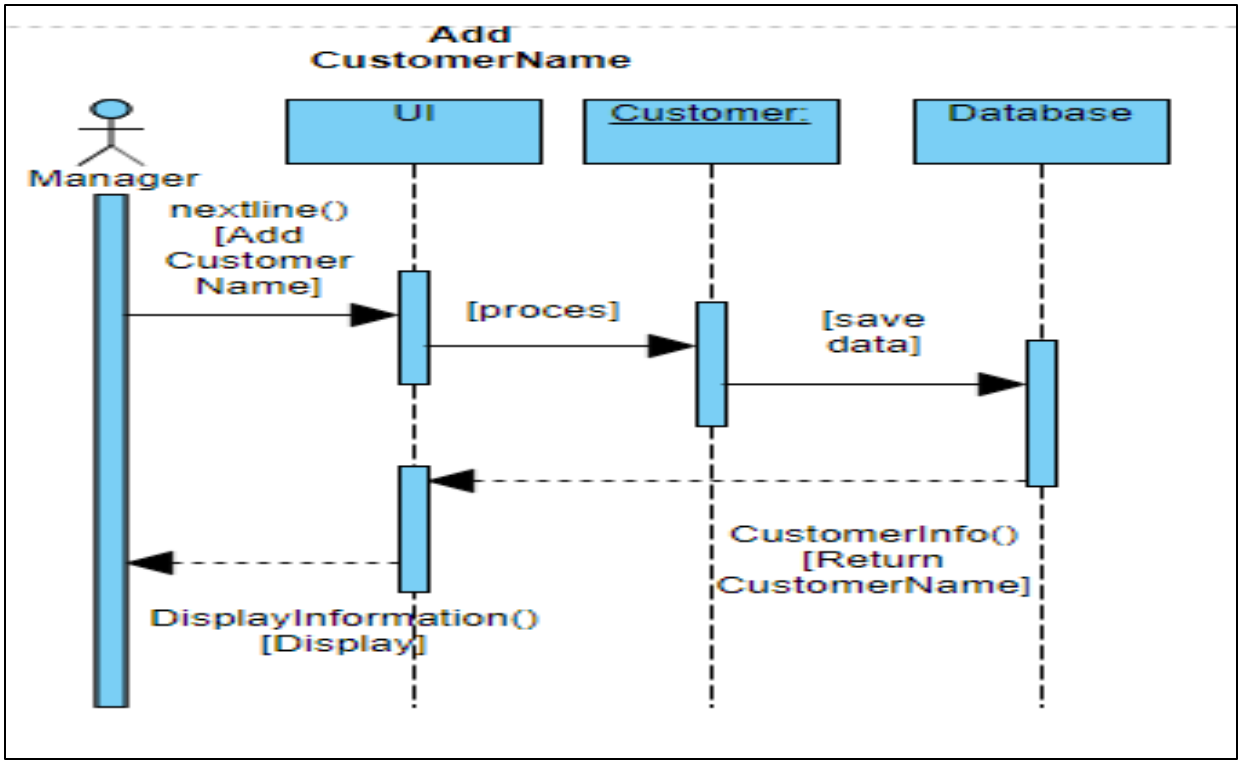
Development Tools: NetBeans

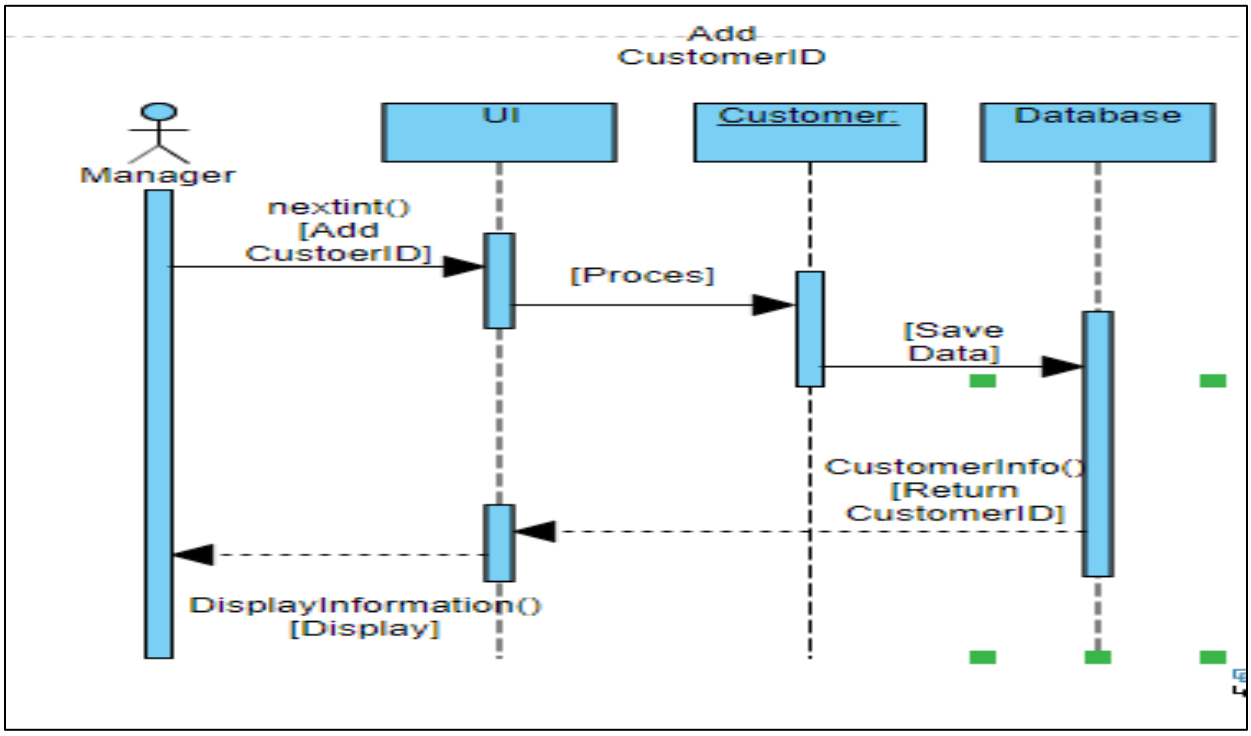
Programming Language: java

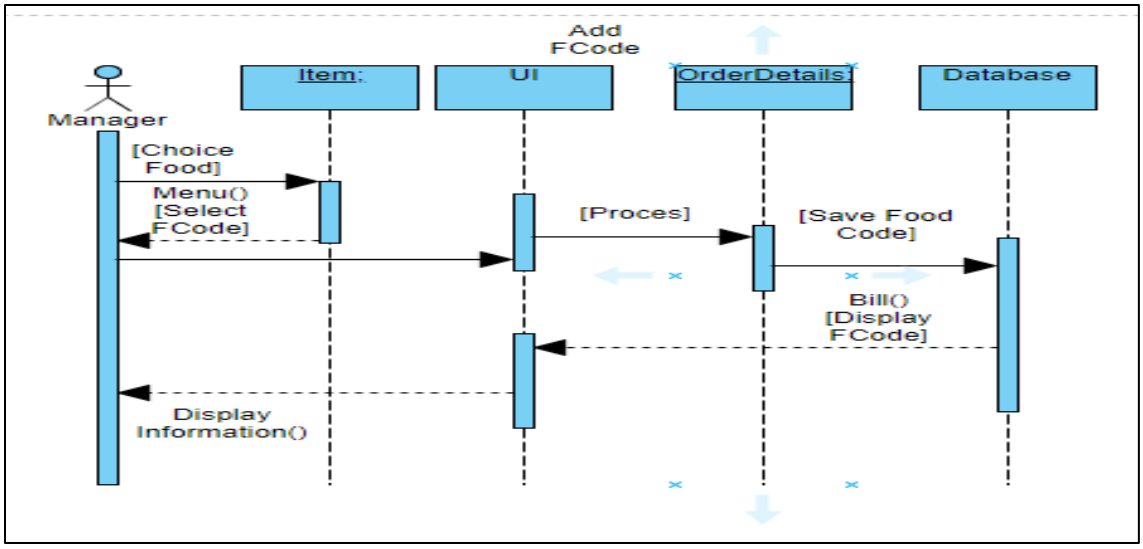
"Class Diagram"

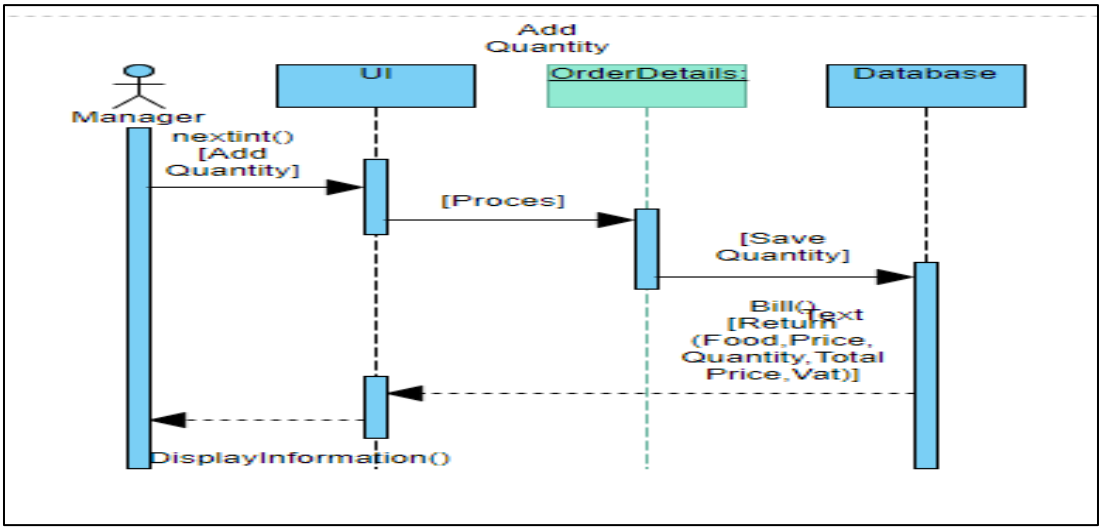


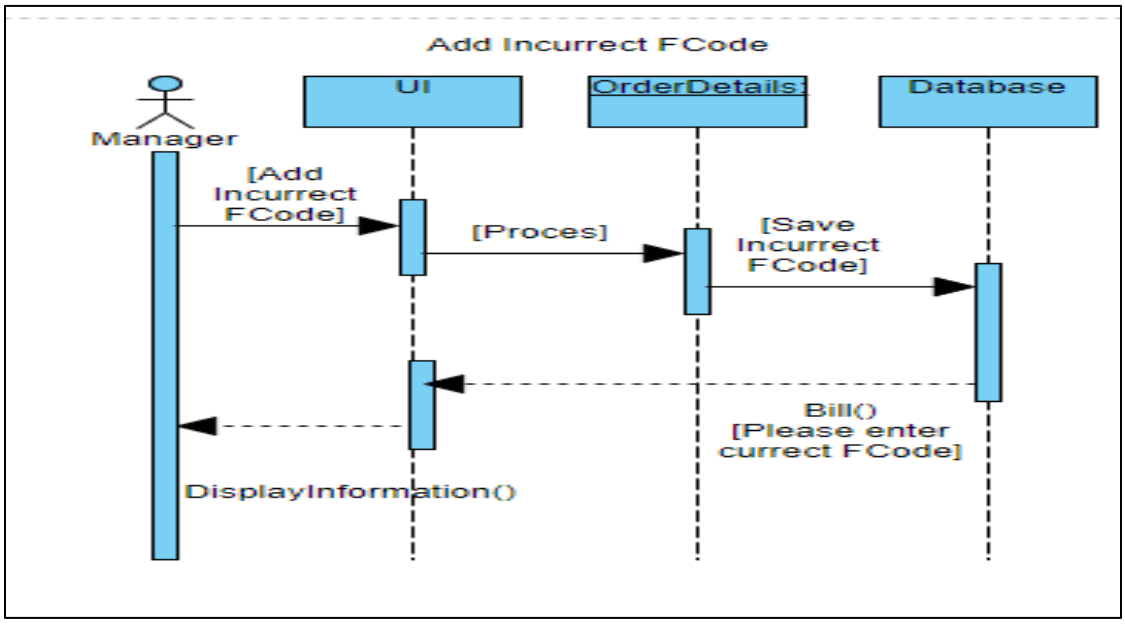
“Sequence Diagram”

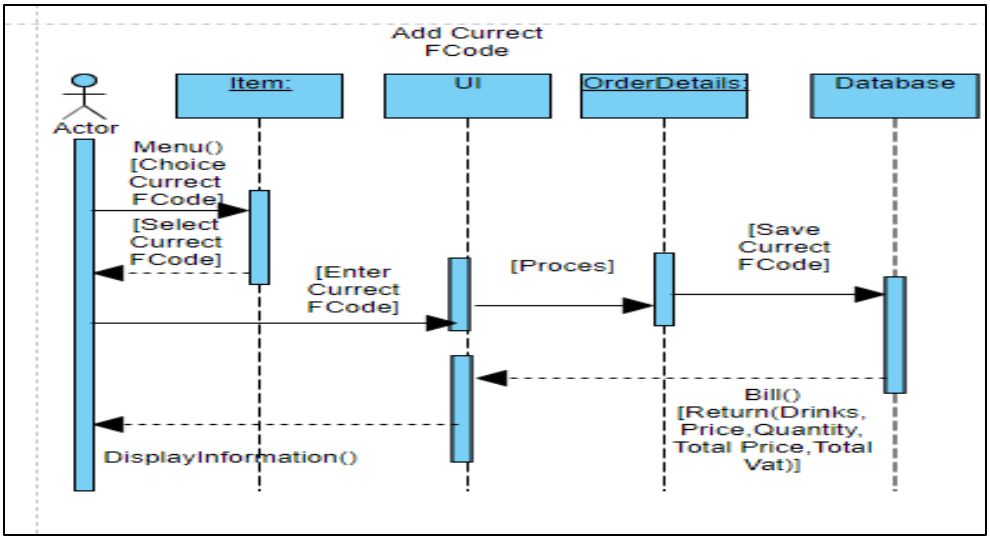


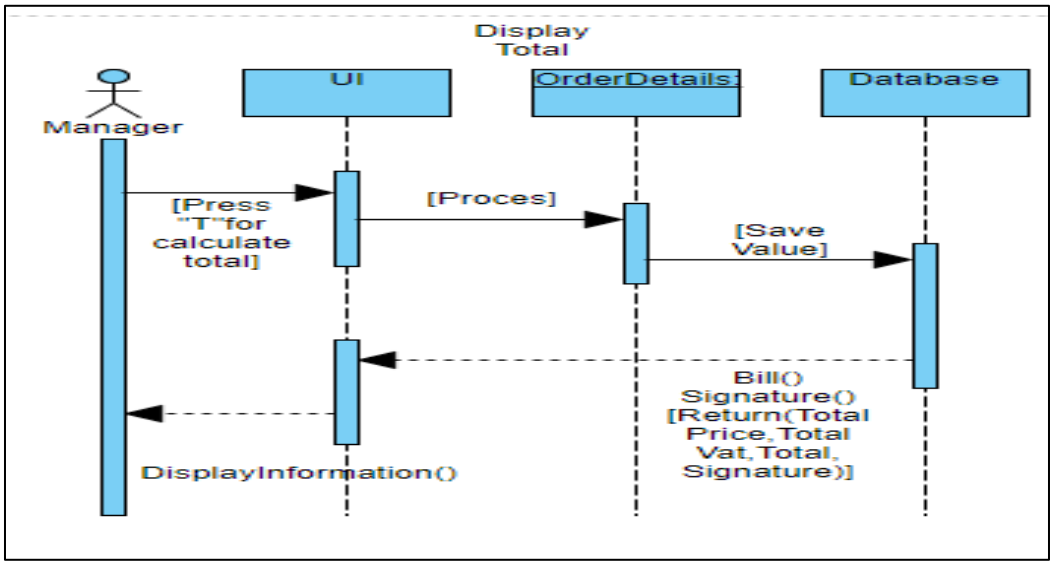


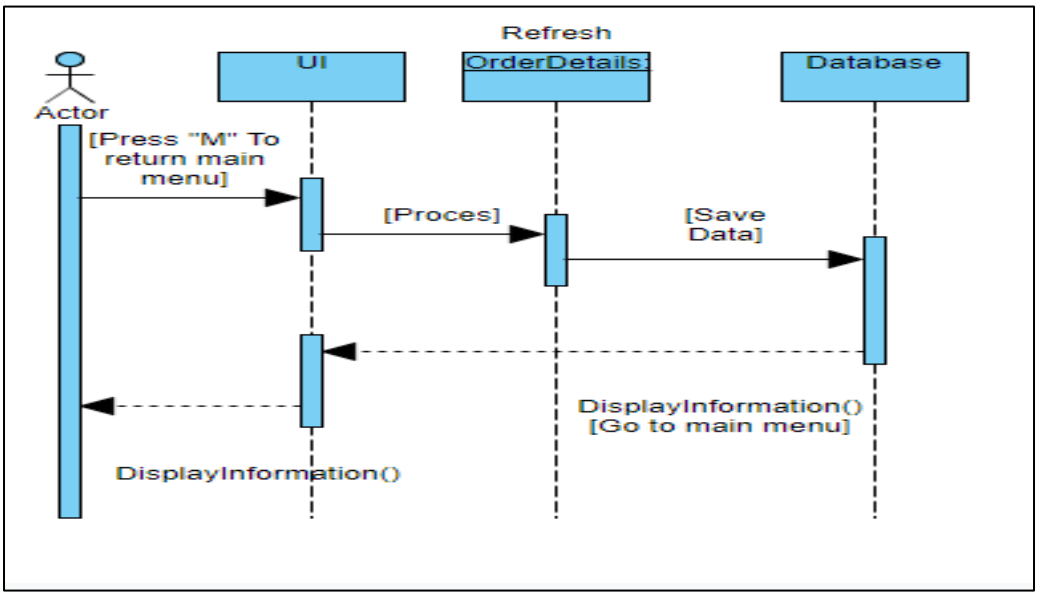

Add
FCode
Item:
UI
OrderDetails:
Database
Manager
[Choice
Food]
Menu()
[Select
FCode]
[Proces]
[Save Food
Code]
Bill()
[Display
FCode]
Display
Information()


Add
Quantity
UI
OrderDetails:
Database
Manager
nextint()
[Add
Quantity]
[Proces]
[Save
Quantity]
Bill()
[Return
(Food,Price,
Quantity,Total
Price,Vat)]
DisplayInformation()


Add Incurrect FCode
UI
OrderDetails:
Database
Manager
[Add
Incurrect
FCode]
[Proces]
[Save
Incurrect
FCode]
Bill()
[Please enter
currect FCode]
DisplayInformation()


Add Currect FCode
Actor
Item:
UI
OrderDetails:
Database
Menu() [Choice Currect FCode]
[Select Currect FCode]
[Enter Currect FCode]
[Proces]
[Save Currect FCode]
Bill() [Return(Drinks, Price,Quantity, Total Price,Total Vat)]
DisplayInformation()


Display Total
Manager
UI
OrderDetails:
Database
[Press "T"for calculate total]
[Proces]
[Save Value]
Bill() Signature() [Return(Total Price,Total Vat,Total, Signature)]
DisplayInformation()


Refresh
Actor
UI
OrderDetails:
Database
[Press "M" To return main menu]
[Proces]
[Save Data]
DisplayInformation() [Go to main menu]
DisplayInformation()