DOKUZ EYLÜL UNIVERSITY

FACULTY OF ENGINEERING

CME2210 PROJECT REPORT

STUDENT'S

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CONTENTS

Page

Introduction 3

Project Description 3

Class/Use-Case Diagrams 4

Activity Diagrams 5

Sequence Diagrams 6

State Diagrams 7

Program Interfaces 8

Important Code Parts 9

Introduction

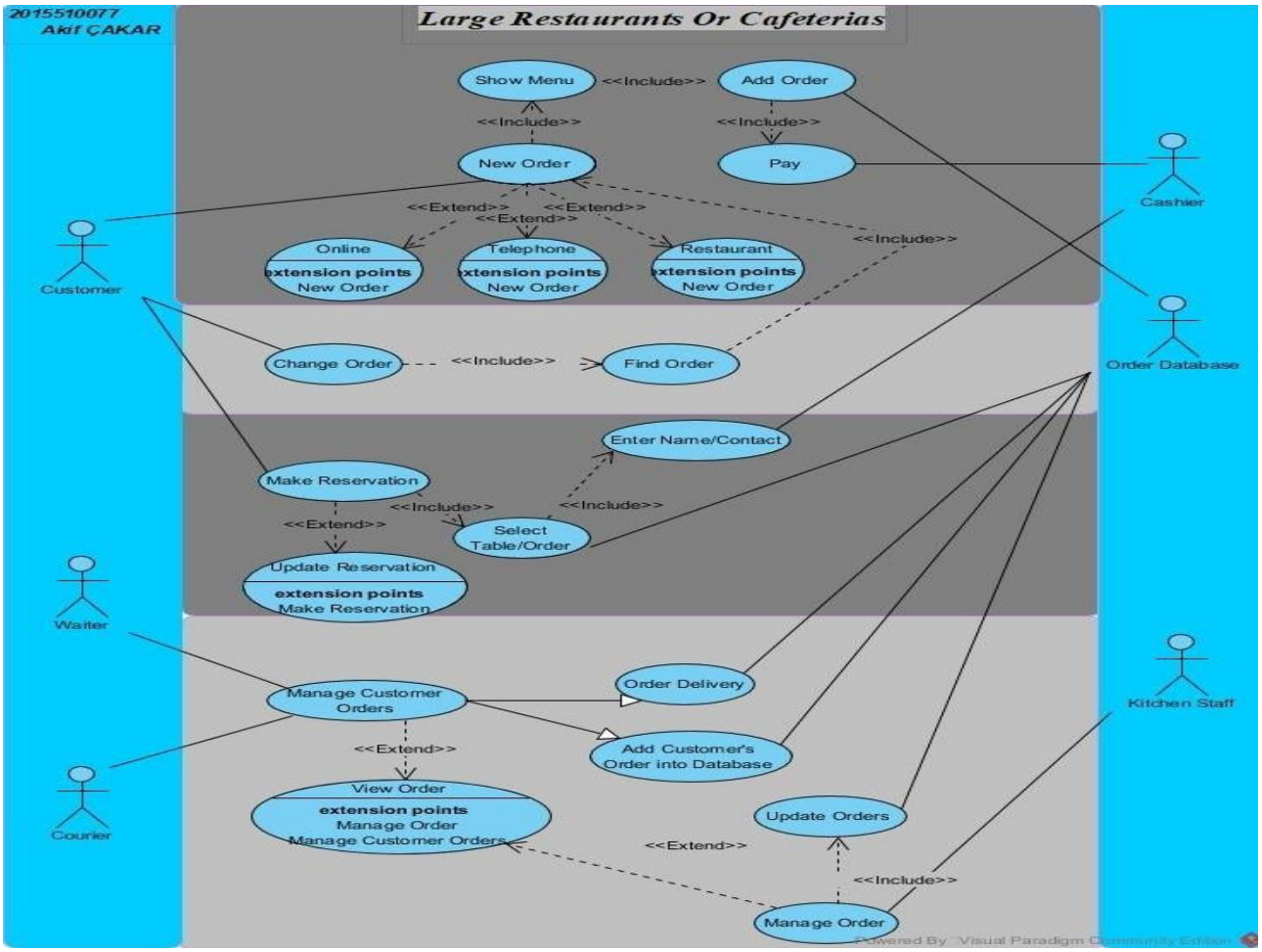
By completing all the processes of the project, we have completed the project. Through the implementation of the necessary steps, we have achieved a project that is more OOP compliant and more robust. These parts consist of analysis, design and coding parts. All of these processes were followed by a concluding program.

Project Description

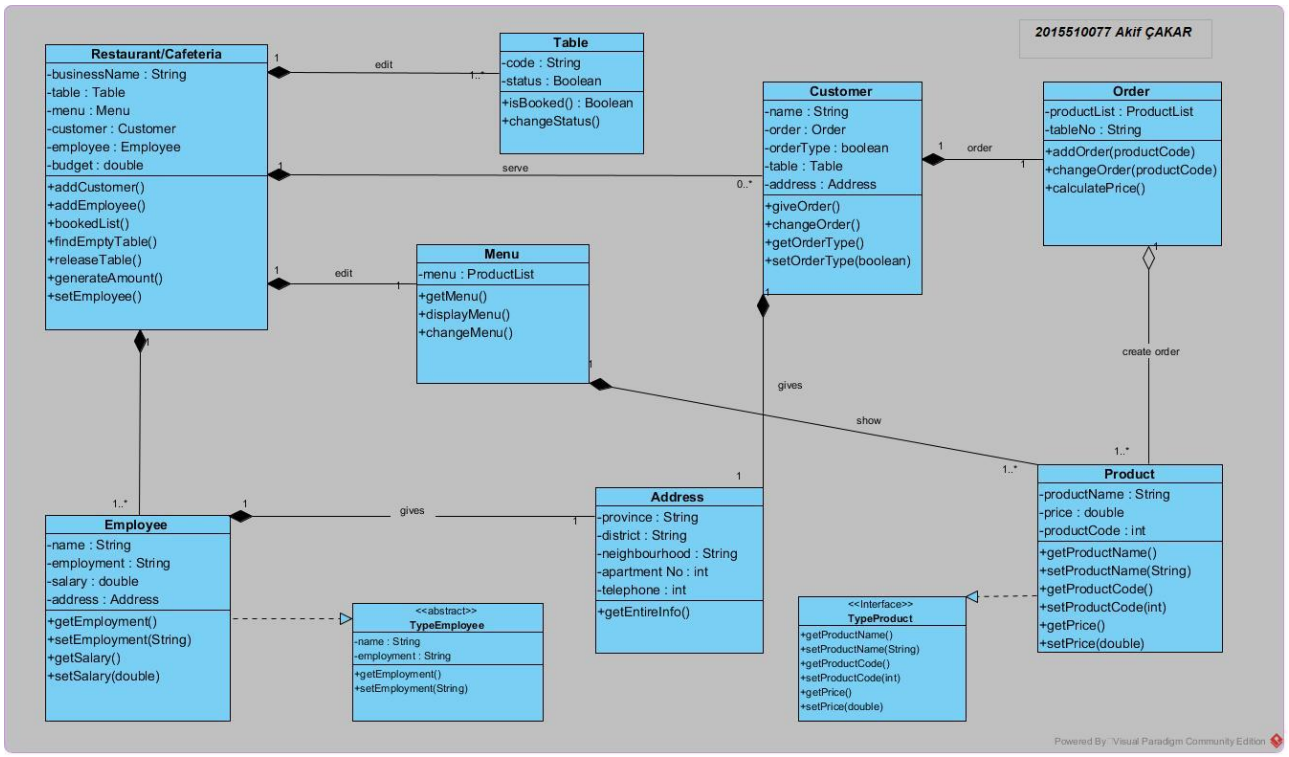
- Large Restaurants And Cafeterias-

(The software infrastructure required for an business system is designed. In line with this, a program with an intermediate function is created that processes all processes.)

Class/Use-Case Diagrams

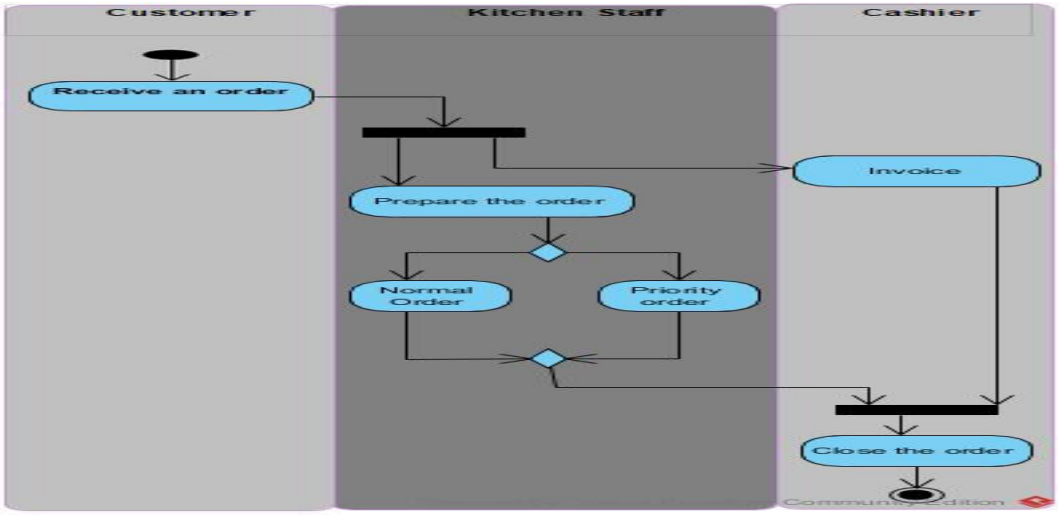


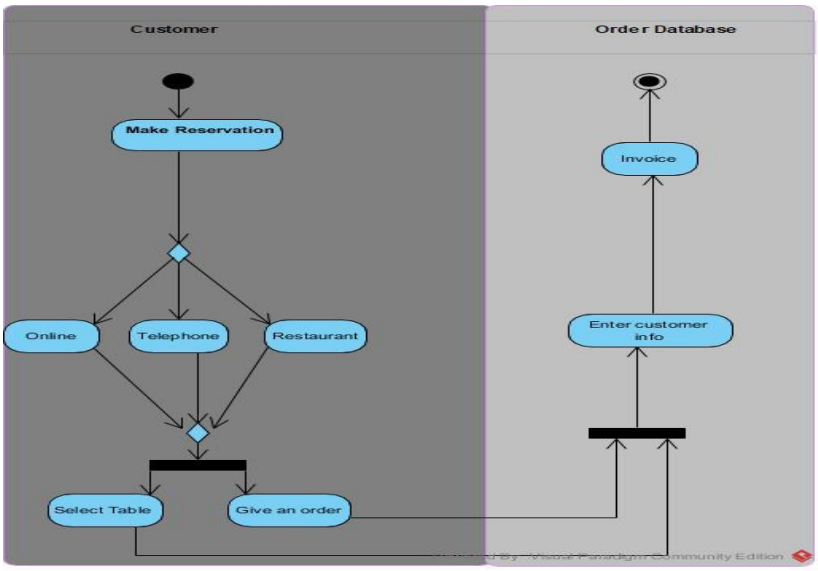
(Use Case Diagram)

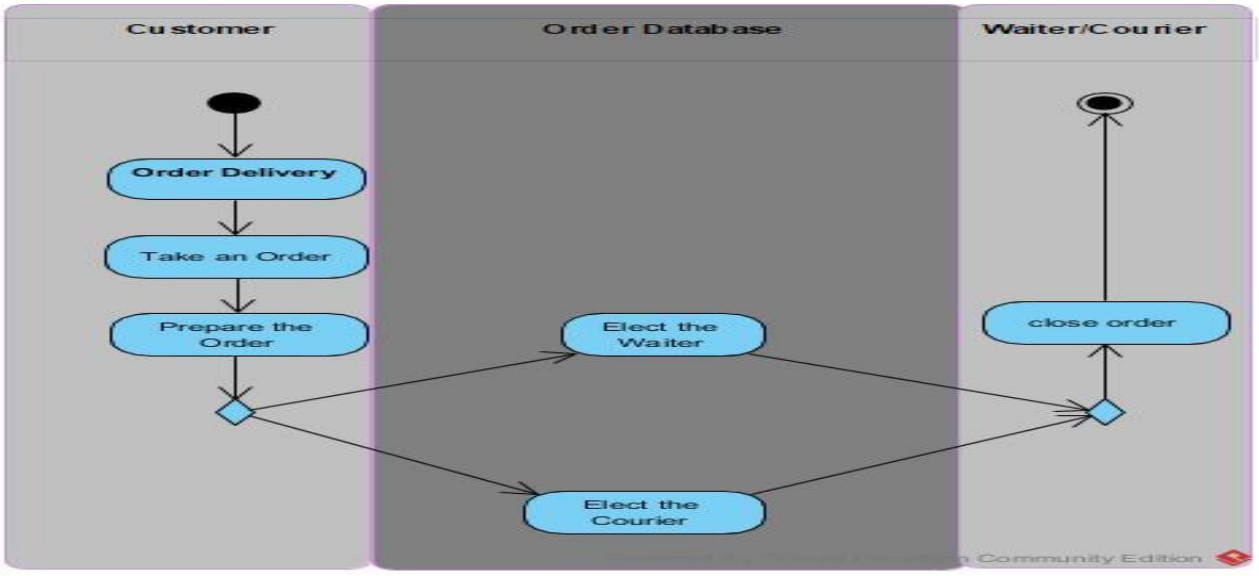


(Class Diagram)

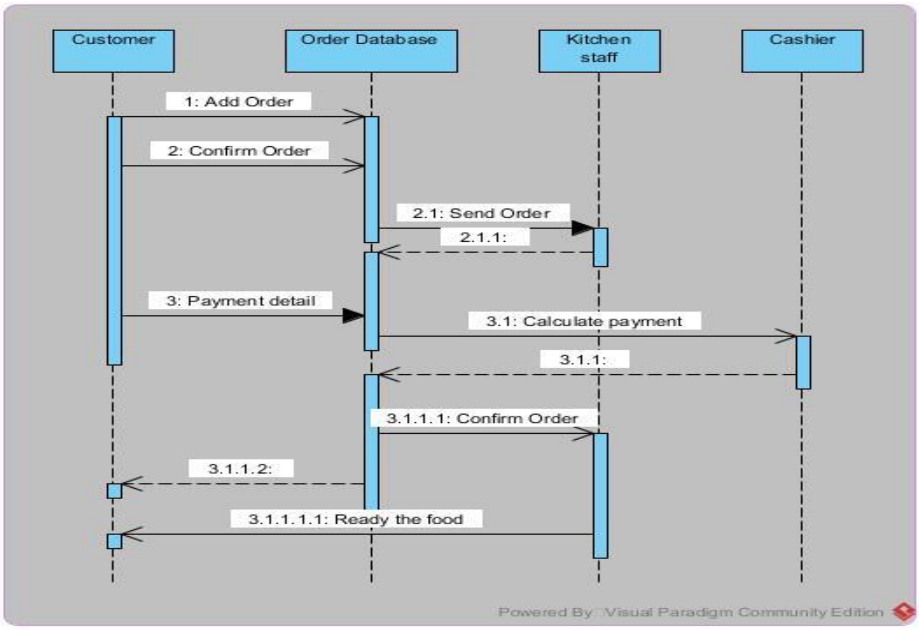
Activity Diagrams

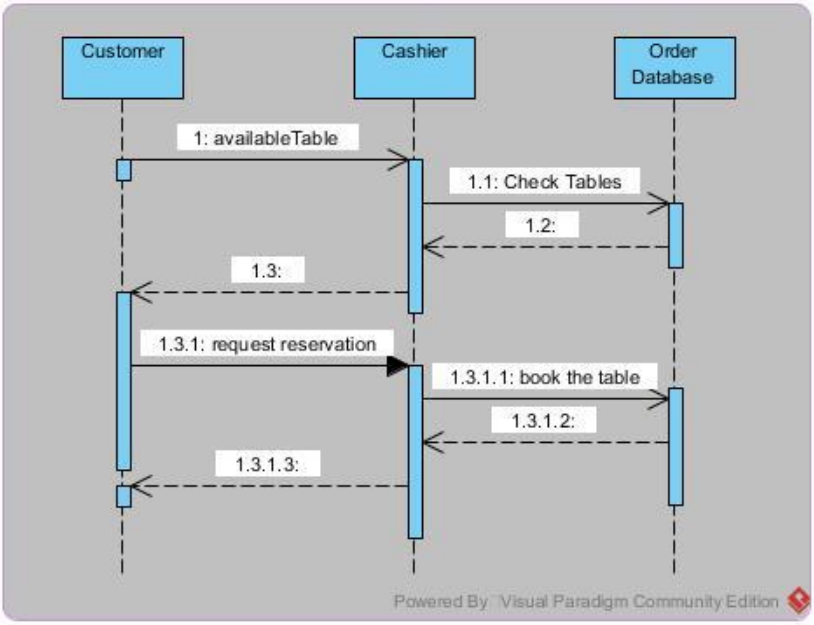


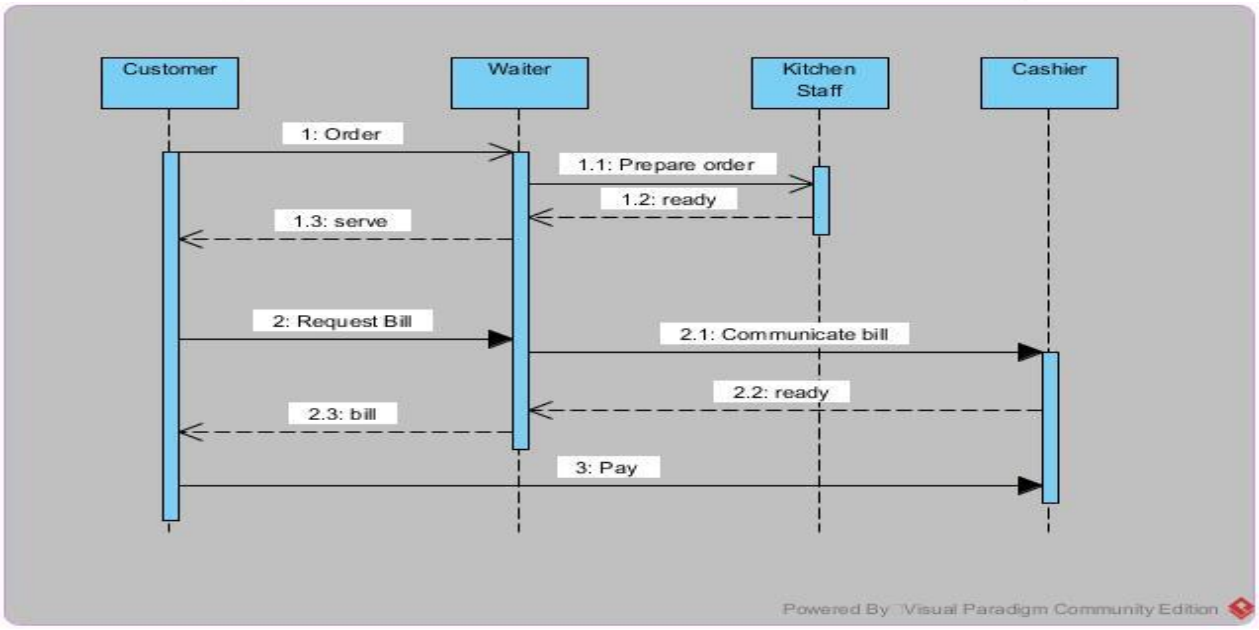




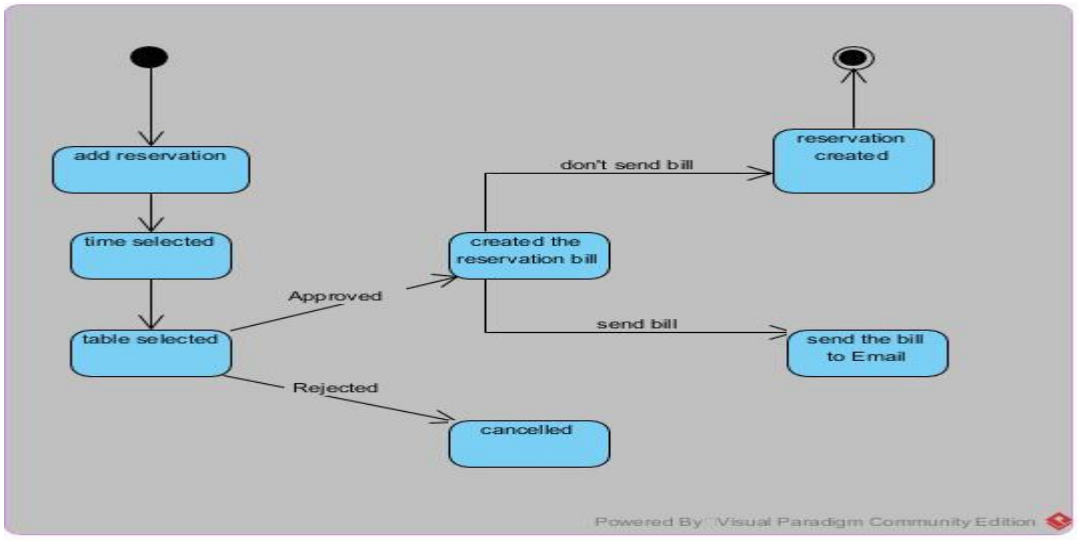
Sequence Diagrams

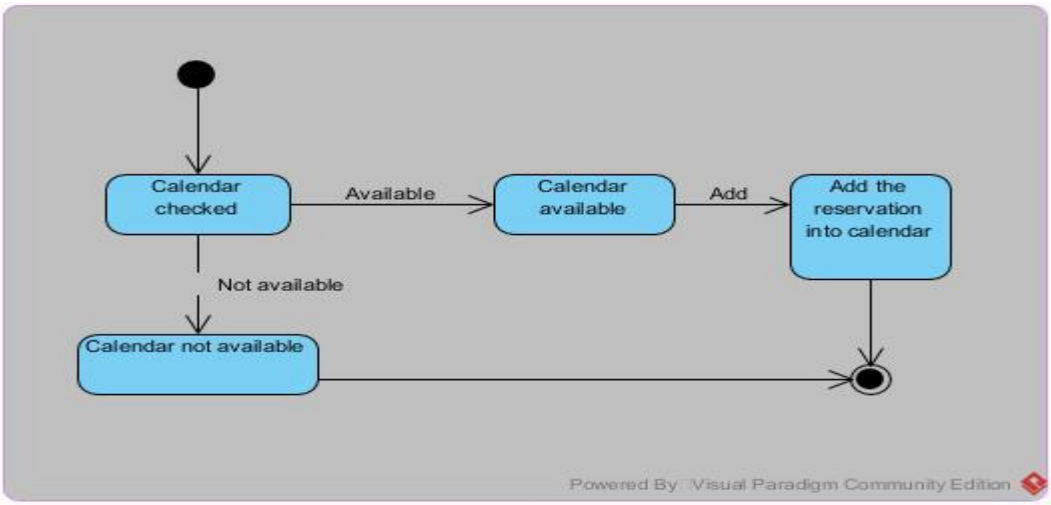


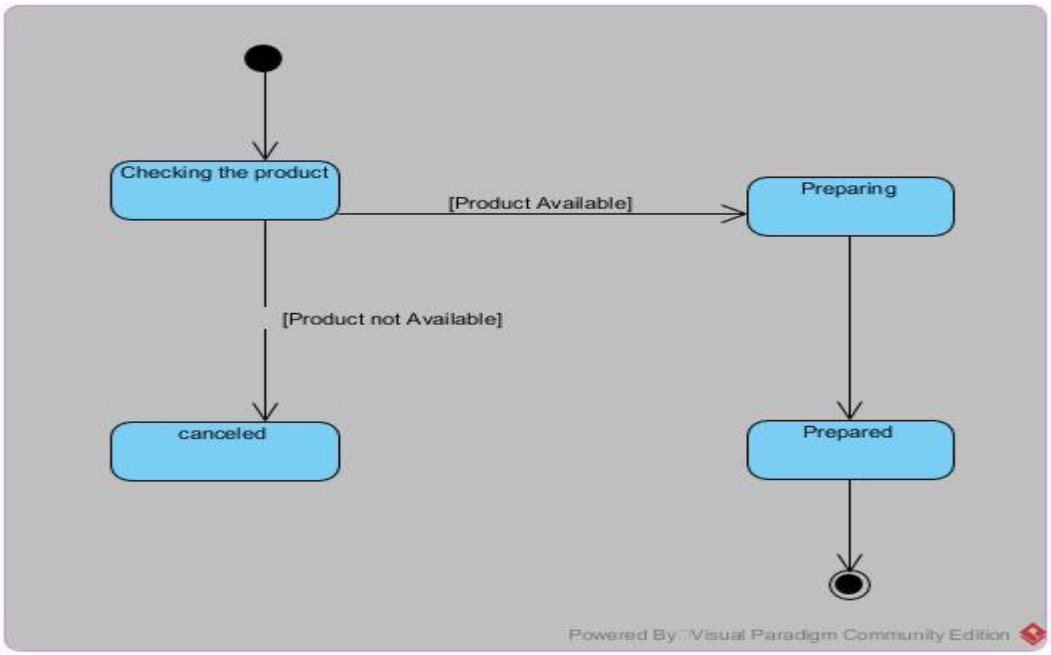




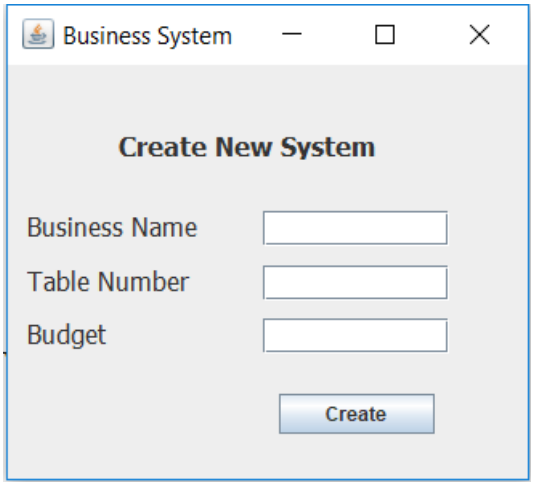
State Diagrams



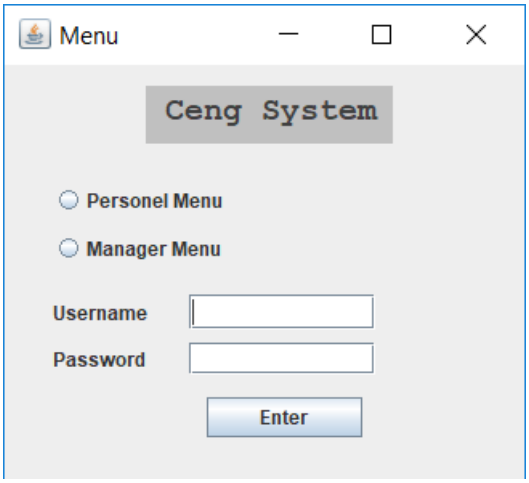




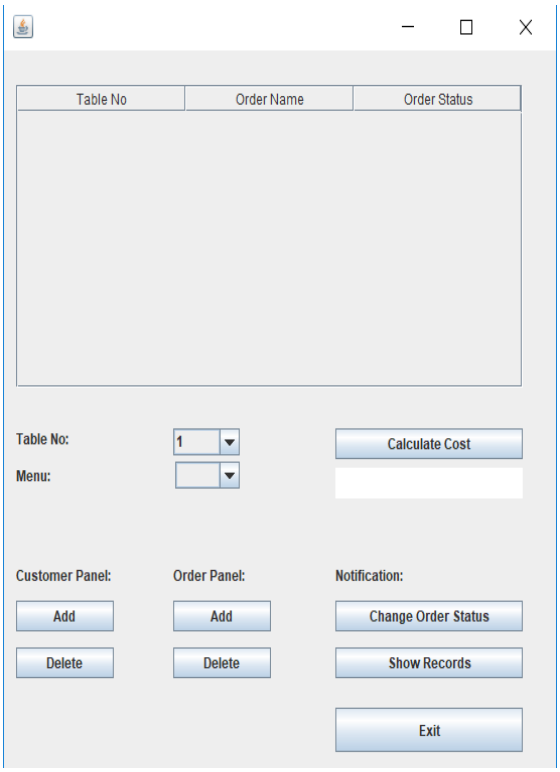
Program Interfaces



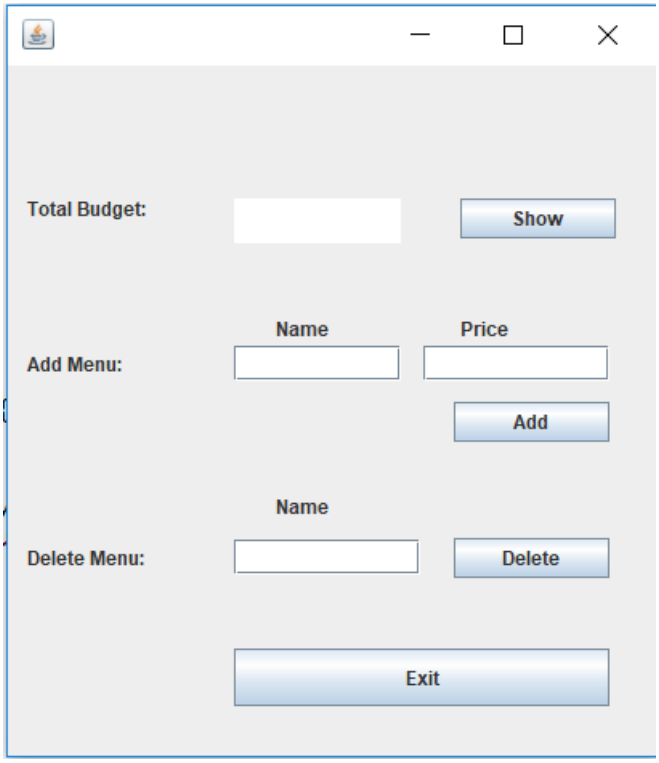
(1)



(2)



(3)



(4)

Important Code Parts

```
public class Business {
    Scanner sc = new Scanner(System.in);
    private String businessName, temp;
    private Customer[] customers;
    private Employee[] employees;
    private double budget;
    private int dot, place, pot, tableNumber;
    private Order[] menu;
```

(Business Class that the part where all the classes work together.)

```
Object[] row = new Object[3];
JButton btnShowCus = new JButton("Show Records");
btnShowCus.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {
        model.setRowCount(0);
        boolean flag;
        for (int i = 0; i < MenuFrame.businessSystem.getCustomers().length; i++) {
            if (MenuFrame.businessSystem.getCustomers()[i] != null) {
                flag=false;
                row[0] = MenuFrame.businessSystem.getCustomers()[i].getCode()+1;
                for (int j = 0; j < MenuFrame.businessSystem.getCustomers()[i].getOrders().length; j++) {
                    if (MenuFrame.businessSystem.getCustomers()[i].getOrders()[j] != null) {
                        flag = true;
                        row[1] = MenuFrame.businessSystem.getCustomers()[i].getOrders()[j].getName();
                        row[2] = MenuFrame.businessSystem.getCustomers()[i].getOrders()[j].isStatus() ? "Ready!"
                                : "Not Ready!";
                        model.addRow(row);
                    }
                }
                if (flag == false) {
                    row[1] = "No Order";
                    row[2] = "-";
                    model.addRow(row);
                }

            }

        }
    }
});
```

(where the operand is written on the screen..)(Frame)