Shenyang Aerospace University

Final year project

Asian Restaurant Management System

Hossain Syed Abir

supervised by
Dr. Mark Liang Zhao

December 10, 2018

ABSTRACT

This report documents the process of designing, developing and testing a software system to be used in a restaurant; usually given the name restaurant management system. The restaurant management system is there to help communication between all teams within a restaurant by minimising the probability of human errors. This report was written by Carl Abernethy as part of his 3rd year project and was published on May 5, 2010.

ACKNOWLEDGEMENTS

Contents

List of Figures

List of Tables

1 INTODUCTION

The concept of restaurant table order management system, since it is java application, I will keep everything as simple as possible. The project consists in an java application that can be used by employees in a restaurant to handle the clients, their orders and can help them easily find free tables or place orders. This application, created mainly for proof of proper user-java interaction. The restaurant menu is organized by categories (appetizers, soups,fig salads, entrees, sides and dricks) of menu items. Each menu item has a chef, preparation instructions and associated in gredients. The ingredeints are identified by their ingredient id and the quality of the ingredient needed to prepare a particular recipe, the unit of measure and a name.

"Restaurant Management System(RMS)" is java application to restaurant management. This system wake to provide service facility to retaurant and also to the customer. The services that are provided is food ordering and home delivery by the customer through the system, customer information management and waiter information management, menu information management and report. Main objective build the system, ordering, and home delivery management will become easier and systematic to replace traditional system.

1.1 EXISTING SYSTEM

- Restaurant services such as making porcessing orders, and delivering meals generally require waiters to input customer information and then transmit the orders to kitchen for mela preparation. When the customer pays the bill, the amoutn due is calculated by the cashier. Although this procedure is simple, it may significantly increase the workload of waiters and even cause errors in meal ordering or in prioritizing customers, especially when the number o fcustomers suddenly increases during busy hours, which can seriusly degrade the overall service quality.

- A very commonly implemented system, currently being used by numerous restaurants and chains all over the world, is the electronic point-sale terminal system.

- Here the waiters generally take the order from the customer and head onto a terminal, where they can feed the order into a computer . The order can the be trasmitted to to the kitchen automatically via the terminal through the a network, or it may event be delivered manuallly by the server to the kitchen.

1.1.1 DISADVANTAGES OF EXISTING SYSTEM

- Although a huge improvement over the pen and paper still prevalent over world, this does not have much value addition for the customer and mostly only benegits the establilshment and the administration of the establishment.

- It may significantly increase the workload of waiters and even cause errors in meal ordering or in prioritizing customers, especially when the number of customers suddenly increases during busy hours, which can seriously dgrade the overall service quality.

1.2 PROPOSED SYSTEM

- The system will consist of the following main components: The backend, which is made up of the web server and the database, and the frontends tha include both the patro frontend and the administaration or the kitchen frontend

- this system is based on the very popular model-View-Controller (MVC) architecture. MVC is most commonly used in websites, very popular and tried and tested. None of the frontends directly "talk" to the database. They instead rely on Restfull services that can be used to perform CRUD operations on the database.

1.2.1 ADVANTAGES OF PROPOSED SYSTEM

- The most important components of this system are the database and the frontends

- Providing value to both the business and its patron is an important objective, but we believe that one follows the other.

- Following that belief, the customer is given a whole lot of importance.

1.3 MODULES

- Customer

- Administrator

- Customer Ordering and home delevery

- Feedback Module

- Menu Module

- Generate Report Module

1.3.1 MODULES DESCRIPTION

- **Customer**
  This project module consists in and java application tha can be used by employees in a restaurant to handle the cliens, their orders and can help them easily find free tables or place orders. This applicatio, created mainly for proof of proper user interacton.

- **Administrator**
  Administrator is the person who will manage the entire system. This type of user will also do maintenance and control the application ot this system. Administrator thakes a responsibility to a new customer, new menu into database, and etc.

- **Customer Ordering**
  Customer ordering and reservation module provides a from that needs to be fullfilling in term or ordering food.

- **Menu Module**
  Menu module is food that restaurant prepared for customer. This module, customer can view the menu and make decision for order.

- **Generate Report Module**
  System provides an option for generate a report. The contents of the report as following:
  1. The report of customer ordering.
  2. Customers information
  3. Comment or satisfiction score insert into feedback form.

1.4 Summary of Chapeters

The rest of this report consists of the following chapters:

- Background: Background investigation into the problem.

- Requirement Analysis: Requirements of the system including stakeholder identification, list of features and tabulated requirements.

- Design: Project design process using several diagrammatic techniques.

- Implementation: Discusses the implementation of the software with the help of diagrams and pseudocode.

- Results: Illustrates the system using screenshots.

- Testing: Documents how the system was tested.

- Conclusion: Project conclusion with future development ideas.

1.5 Closing Remarks

This chapter has introduced the foundations of the project. The next chapter gives some background investigation into the problem.

2 Chapter Two

Background

2.1 Chapter Overview

This chapter gives an insight to Point of Sale (POS) systems similar in nature to that of the one being developed in this project. It also gives a brief introduction to the importance of requirement gathering, a discussion on the development methodologies available as well as a justification on the platform and software used in this project.

2.2 Point-of-Sale (POS) Systems

According to A. Nutt [12], POS systems first dated back to the 1870s, when James Ritty became frustrated with dishonest employees stealing money from the customers in a saloon in Dayton, Ohio. With the inspiration from a counter on a ships propeller that counted the number of revolutions, he and his brother in 1879 developed the first cash register called Rittys Incorruptible Cashier. By the 1970s, the first computerised cash register was developed that was basically a mainframe but packaged as a store controller that had the ability to control the registers. Then in the 1980s, cash registers began to be PC operated which meant that many of the basic PC functions were now available. Today, the POS systems are much faster, safer and reliable and with the introduction of credit cards and direct communication to the credit card company, transactions are almost instant.

2.3 Platform Choice

Choosing a suitable platform normally goes down to the programmers experience and the type of software to be developed. The restaurant management system could be developed as a web application or a standalone application but must also be widely supported and platform-independent. Therefore as the developer has minimal or no experience in web programming, the decision was taken to develop a standalone application. The next decision was to decide on a programming language, with the developer having previous experience in C, C++ and Java. This decision was fairly easy and Java was the selected program- ming language as the developer has great knowledge in the Java Database Connectivity (JDBC) API 1 that allows database-independent connectivity between the Java programming language and numerous databases.

2.4 UML

Diagrammatic techniques are used to visualise, construct and document software systems under de- velopment. The most general modelling language to describe both the structure and behaviour of a software system is Unified Modelling language (UML) created by the Object management group. The diagrams one can create using UML can be shown by a class diagram (Figure 1). Throughout this report, numerous models defined within the UML class diagram (Figure 1) will be used to graphically represent the system.
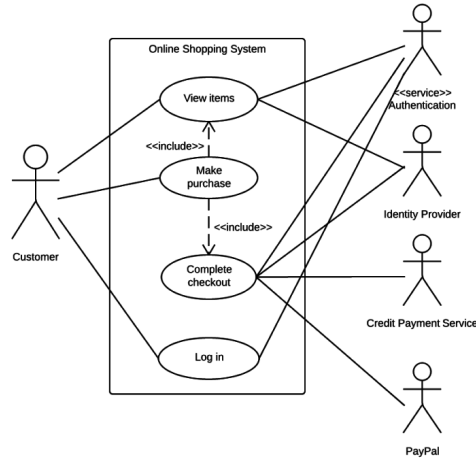
Figure 1: UML diagram for Asian Restaurant Management system.

2.5 Software Choice

In software development, the use of integrated development environments (IDE) can increase the effi- ciency of a programmer. An IDE is a software application that consists of a source code editor, compiler and debugging tools with its main aim to assist the programmer. Simple notepads are not strictly IDEs but can do the same job with the assistance of a compiler. The two most popular IDEs available for Java programming are Netbeans and Eclipse as they are free, support multiple platforms and offer many features including integrated version control and debugging tools. The two main problems with IDEs are that due to the wealth of features available and plug-in support, there is an associated cost, as their performance is poor and in particular they require more memory and processing power than a standard text editor. For this project Netbeans was the chosen IDE, as the developer has more experience and knowledge of the Netbeans graphical user interface.

2.6 Requirement Gathering

Requirement gathering is a very important step in software engineering. According to an article written by Craig Murphy [1], Boehms cost model discusses how discovering errors at an early stage of software development can reduce overall costs. Figure 2 is an example of Boehms cost model and uses the waterfall technique to give a visual insight into how important gathering accurate requirements can be when the project has a strict deadline to work to. Roughly a 1 cost of change in the requirement gathering can cost up to 100 in the testing stage and 1000 in the deployment stage to fix.
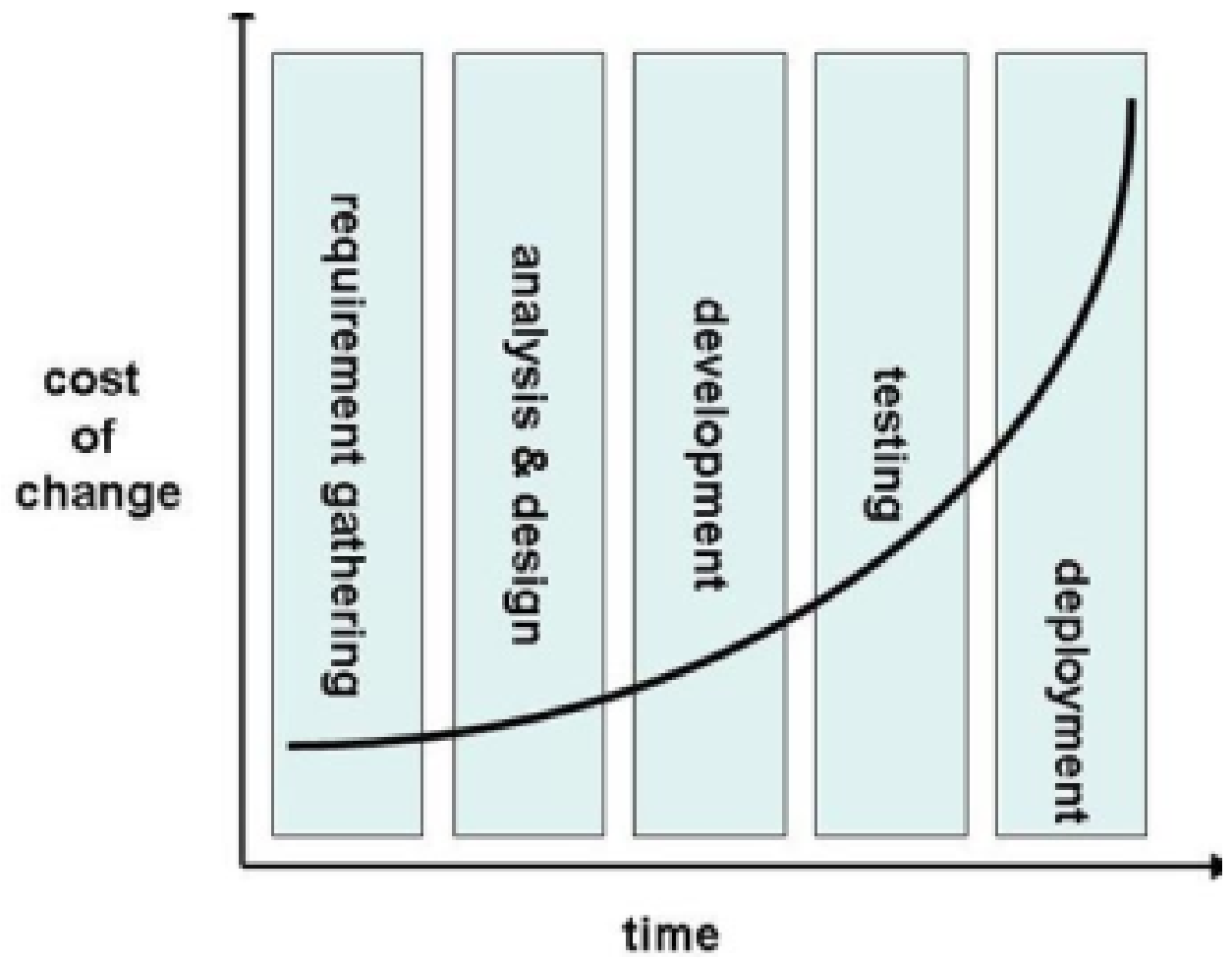
Figure 2: Boehm's cost model [1]

2.7 Development Methodology

A software development methodology is a framework used to plan the design of a software system controlling the process of development. According to Geoffrey Elliott [3], software development meth- odologies first emerged in the 1960s with systems development life cycles (SDLC) being considered the first formalised methodology. Since then there have been numerous popular software development approaches including the waterfall model, prototyping, incremental, spiral and agile. The agile methodology refers to a collection of different agile methods.

This project will be based on Extreme programming (XP) which is one of these agile methodologies using an iterative based framework. Each iteration has a development cycle very similar to the waterfall model consisting of planning, requirements analysis, design, development and testing. At each iteration, the business representative sometimes referred to as the customer is given a demonstration to promote useful feedback. This type of methodology reduces risk and lets the project adapt to requested changes quickly with minimum cost.

According to the Agile Manifesto [4], some of the main principles behind the agile methodology are:

2.7.1

- Customer satisfaction by rapid, continuous delivery of useful software.

- Working software that is delivered frequently.

- A welcomed late change in requirements.

- Simplicity.

- Regular adaptation to changing circumstances.

2.8 Chapter Summary

This chapter has given examples of POS systems that are directly related to this project as well as general information about requirement gathering and development methodologies. The next chapter starts the process of the development methodology by generating the requirements of the system.

3   Chapter Three

Requirement Analysis

3.1   Chapter Overview

This chapter will look at the stakeholders of the system and then discuss the required features using a use case diagram to illustrate.

3.2   Stakeholder Identification

As defined in the Business Dictionary [5],
a stakeholder could be a person, group, organisation that has direct or indirect stake in an organization because it can affect or be affected by the organizations actions, objectives and policies.
Hence, stakeholders can be split into two groups; internal and external with each stakeholder contrib- uting directly or indirectly towards the business activities.
As an example, any system were there exists customer communication, that customer will be a non-financial beneficiary stakeholder.
According to an article written by Ian Alexander [6], the person, group, organisation, or system is a stakeholder if they can be defined by any one of the following four questions:

Who needs to be consulted on the scope of this project?

Who has an input to the budget of this project?

Who can support or harm this project politically?

Who can provide guidance on the usability, functionality, and required qualities (reliability, safety, lifetime, maintainability, . . .) of the system under development?

Therefore using these 4 questions as a guide, we can generate a list (1) of the stakeholders in this project.

Table 1: A table showing the stakeholders of the project

Stakeholder	Role
Carl Abernethy	Project developer.
Prof. Chris Taylor	Project supervisor.
Management	User of the management application.
Waiters	User of the restaurant application.
Kitchen Staff	User of the kitchen application.
Bar Staff	User of the restaurant application.
Customer	Indirect user of the system.
Cashier	External stakeholder; accepts payment.

3.3 Use Cases

A use case diagram that is part of the Unified Modelling Language (UML) which was introduced in Section 2.4 gives a graphical overview of the functionality of a system. A use case diagram consists of actors that are normally the stakeholders of the system and their use cases commonly defined as goals. Figure 3 shows several use case scenarios of the system that convey how the stakeholders interact with the features to achieve a business requirement.
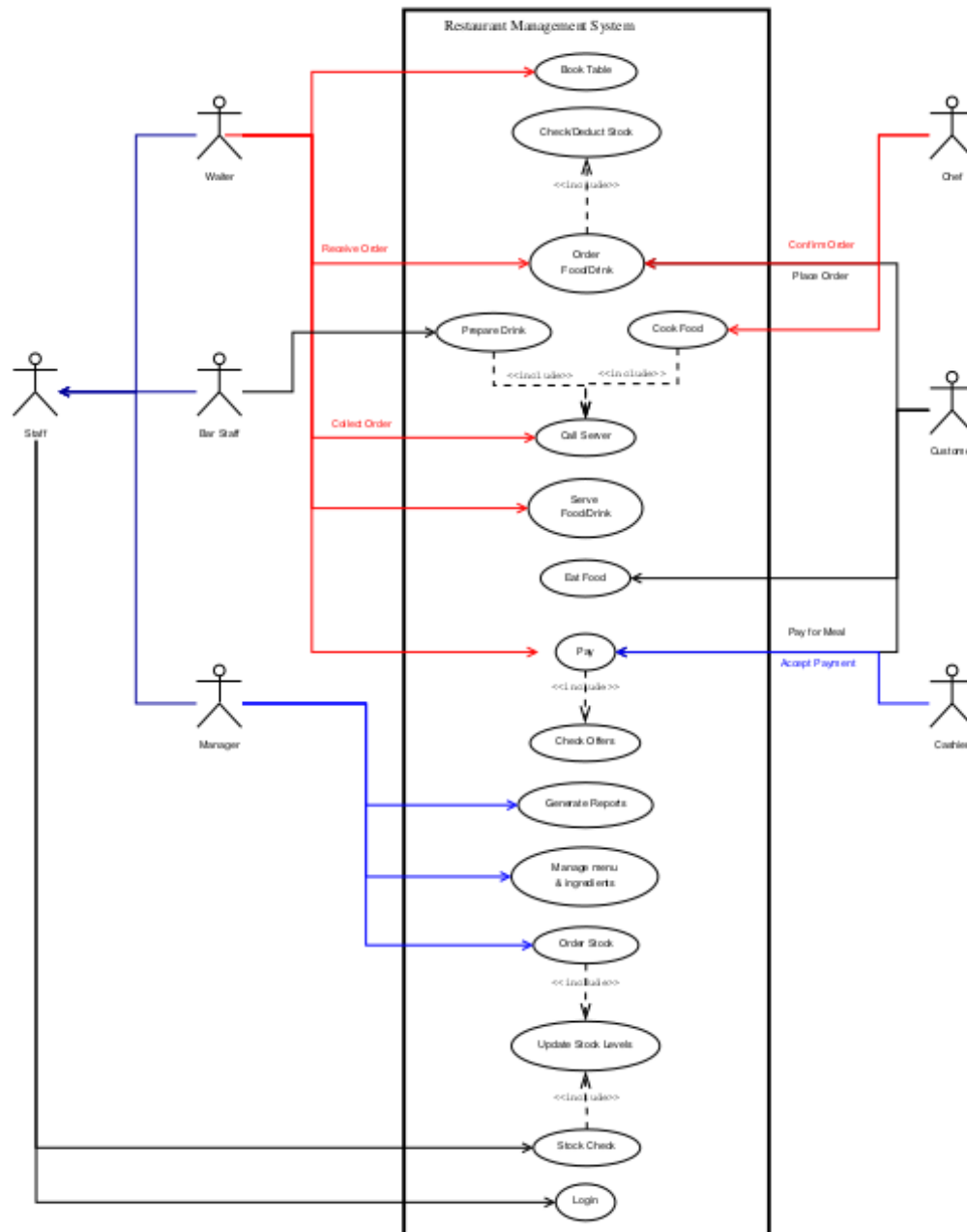
Figure 3: Use case diagram showing some of the major fearures with in the asian restaurant management system

The use case diagram is designed to be sequential so by following the use cases down the spine, one can follow the major steps of an order and several post features to query the data.

3.4   Features

An important part of requirements gathering is the production of a list of system features that cat- egorises on priority.

Table 2: A table showing the proposed system features and allocated priorities.

Feature	Priority
Communication of data between each application	1
Meal ingredient	1
Ability to define groups of ingredients that may be used in numerous meals	2
Flexible meal grid design to fit any screen size	2
User login functionality	3
Interface for table management and selection	3

3.5   Measureable Goals and Requirements

The measurable goals and requirements of the system are a list of manageable requirements and goals for each application that can be prioritised and ticked off. The software requirements specification (SRS) is a complete list of requirements to be designed and developed and can take the form of functional or non-functional requirements.

3.6   Chapter Summary

This chapter has discussed the requirements of the system and the development methodology that will be used throughout this project. The design of the system is documented in the next chapter.

4 Chapter Four

Design

4.1 Chapter Overview

This chapter will focus on the design of the system using diagrams to illustrate graphically certain sections of the software system.

4.2 Introduction

This project has been designed using numerous diagrammatic techniques. Recall from Section 1, that the most general modelling language to describe both the structure and behaviour of a software system is Unified Modelling language (UML). Use case diagrams have already been used in the requirements analysis as a way to graphically overview the order process within the system. Other diagrams from the UML family are used in the design stage to show the structure and behaviour of numerous sophisticated design feature.

4.3 Component Diagram

A component diagram is part of UML and its main purpose is to show the structural relationship between components in the system. A component diagram is useful for this system as it shows the higher architecture, as shown in figure 4
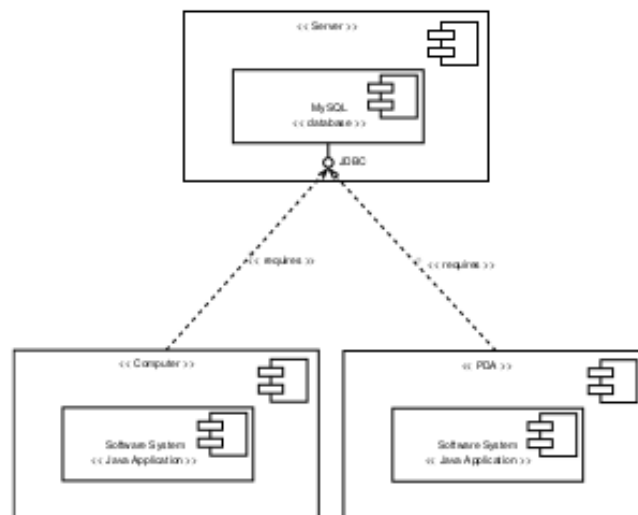
Figure 4: Component diagram showing the higher level architecture of the system.

4.4 Data Storage

The restaurant management system will be built around the data storage technique therefore choosing the most appropriate persistent 1 data storage is critical to a successful

11

project and we can assume a flat file storage approach is inadequate. The two most popular types of persistent data storage available are relational database management system (RDBMS) and extensible markup language (XML)

4.4.1 Relational Database Management System (RDBMS)

A relational database management system (RDBMS) is a database managed system based around a relational model and are the corner stones to many software systems including web based systems.
RDBMS are one of the most popular data storage methods out in the market and offer many advantages including:

- Fast data extraction using structured query language (SQL).

- Good management of data and security through the management system.

- Good level of data consistency.

- Advanced features including functions and triggers.

- Requirement of a data model to be developed; leading to long term cost effectiveness.

In industry, there are numerous expensive highly functional RDMBSs including Oracle and SQLServer that are very popular and offer technical support. However, there are also numerous open-source solu- tions with many adjudged to be as good or better and are becoming even more popular with small scale software systems.

4.4.2 Extensible Markup Language (XML)

XML is a markup language that was designed to transport and store data and is another example of a persistent data storage technique. However, it is not a predefined language thus all tags must be defined and due to its hierarchically data structure all elements must be promoted or demoted. XML could be used in two different ways in data storage; storing the XML documents within a database or having the XML documents as the fundamental unit of storage. In both cases the XML can be queried using either XPATH or XQUERY which are query languages for extracting data from XML documents.

4.4.3 Storage Method Chosen

The main difference between XML and RDBMS is that XML is hierarchical and RDBMS is relational. As restaurant data can be best represented in a hierarchical way one would believe that XML would be the best approach but its not always that straight forward. SQL is an extremely flexible and robust querying language and for the queries required and the type of software system begin designed, it was concluded that RDBMS would be the best storage method. The next choice was to decide on the type of RDBMS to use. As discussed there are many open source RDBMSs available for us to choose from and

for the main reason of experience, MySQL was the preferred option. Figure 5 shows just how competitive the performances of different RDBMSs are.
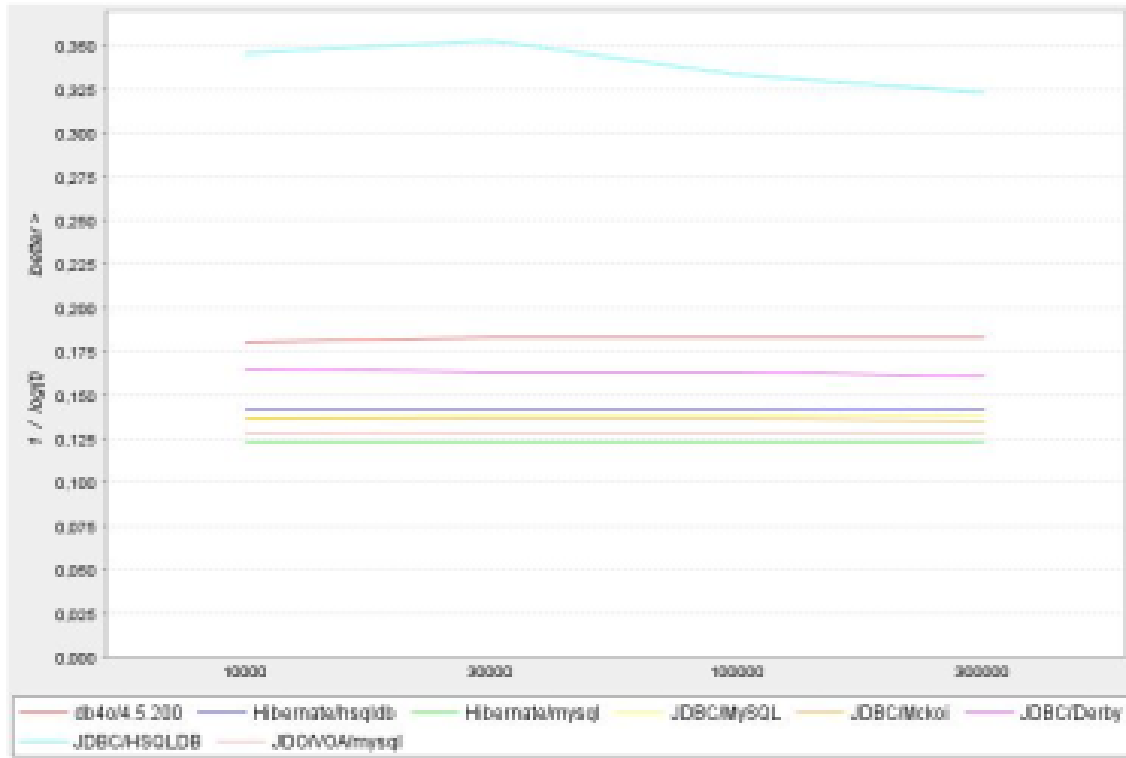
Figure 5: Database comparison diagram [2]

4.4.4 Normalisation

Normalisation comes in many forms ranging from first normal form to sixth normal form. The nor- malisation of a database is a systematic way to free the database of undesirable characteristics where inserts, updates and deletions of data could lead to the loss of data integrity. The greater the normal form, the greater the data integrity of the database.
The database in this system was designed to be in Boyce-Codd normal form which is a slightly stronger version of the third normal form. For the database to be in Boyce-Codd normal form, it had to pass for all previous normal forms as well as Boyce-Codd normal form.
A well designed database will normally abide by the first, second and third normal forms as they are the basics to a well structured relational database. According to Horsforth School [17], the first three normal forms can be defined as:

- Every attribute is atomic or single valued therefore there are no repeating fields.

- All attributes not part of the primary key must be dependent on the full key.

- There must be no transitive determinants, or each attribute that is not part of the key must be determined only by the key.

Finally for the database to be in the desired Boyce-Codd normal form, all tables must abide by the first, second and third normal forms and must not have any determinants that are not candidate keys for the table.

4.4.5   Entity Relationship Diagram

An entity relationship (ER) diagram is a modelling language used to represent a type of semantic data model of a system. The ER diagrams are often used to represent a relational database and its requirements in a top-down fashion usually defined as the database schema. The database schema for this database has been split into two ER diagrams (Figures 6 and 7). Figure 6 graphically shows the objects and their relationships that are contained within a meal. The meal object will be made of at least two ingredients that can be either a normal ingredient or a prepared ingredient. Note, a prepared ingredient is a collection of ingredients used to either group commonly used ingredients or to group optional ingredients. Each ingredient will have a default and manual measurement with the default measurement entered on input of the ingredient and the manual measurement entered if the meal ingredient link requires a different amount. Also, each ingredient will be part of a generic ingredient object as there are many ingredients that are the same item but packaged in a different way at a different price. This allows the database to be in Boyce-Codd normalised state. An example of this would be the drink Coca-Cola which can be bought by bottle, can or draught, thus are the same item but packaged differently at a different price and amount. Finally each ingredient and prepared ingredient can be part of a category allowing optional ingredients to be interchanged with other ingredients in the same category. Figure 7 graphically shows the relationships for the menu, order and offer objects. The menu consists of a date time relationship that provides the intervals to when the menu is active and a menu section relationship that contains the colour variables and items under that particular menu section. The order consists of one to many suborders with the suborder consisting of one to many items. The order stores all the ingredients within each item and also the replaced ingredient if that optional ingredient was replaced. The offer consists of a date time relationship that provides the intervals to when the offer is active and a offer section relationship that contains the sets required by the offer.
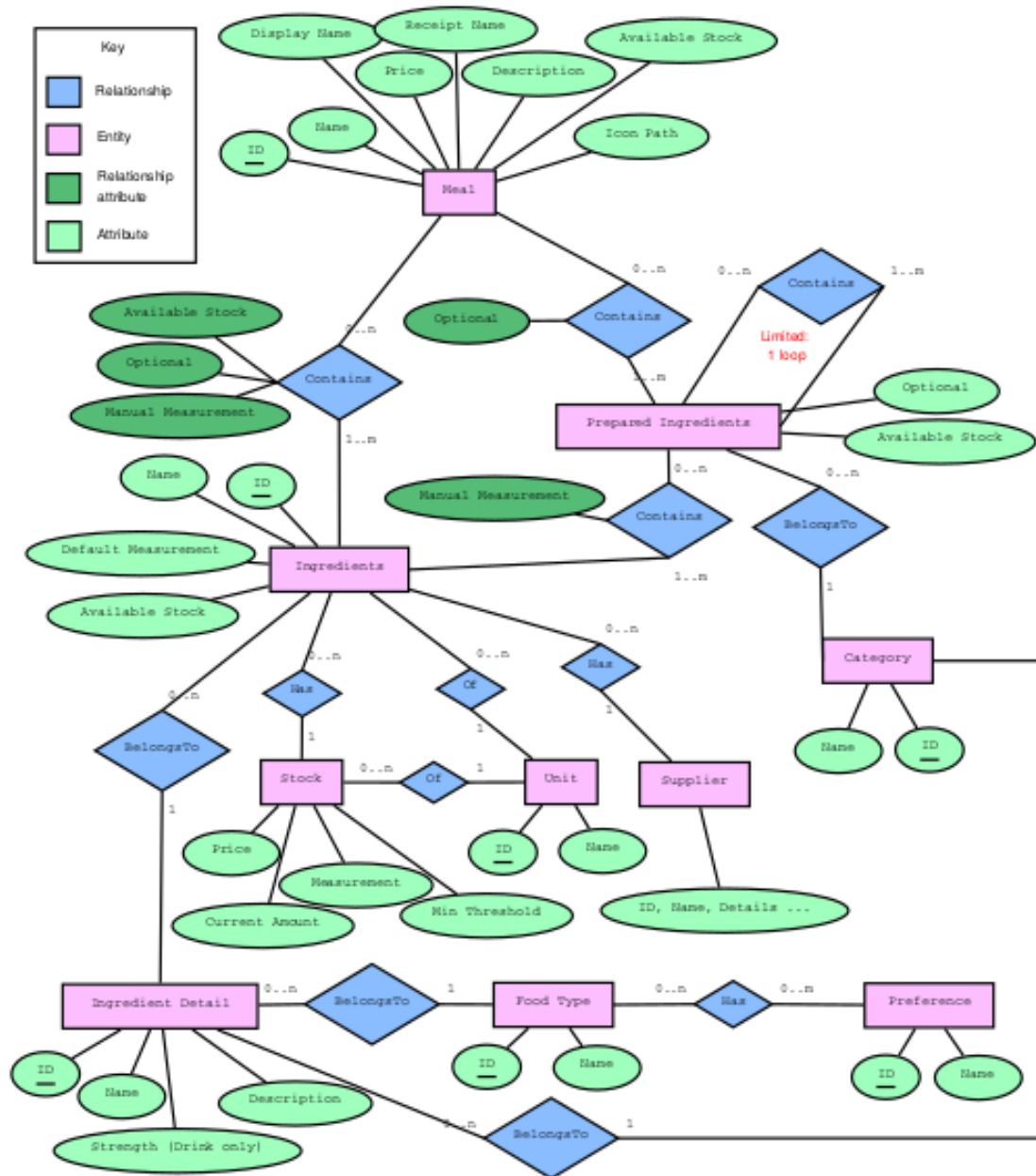
Figure 6: Entity Relationship diagram of a meal.
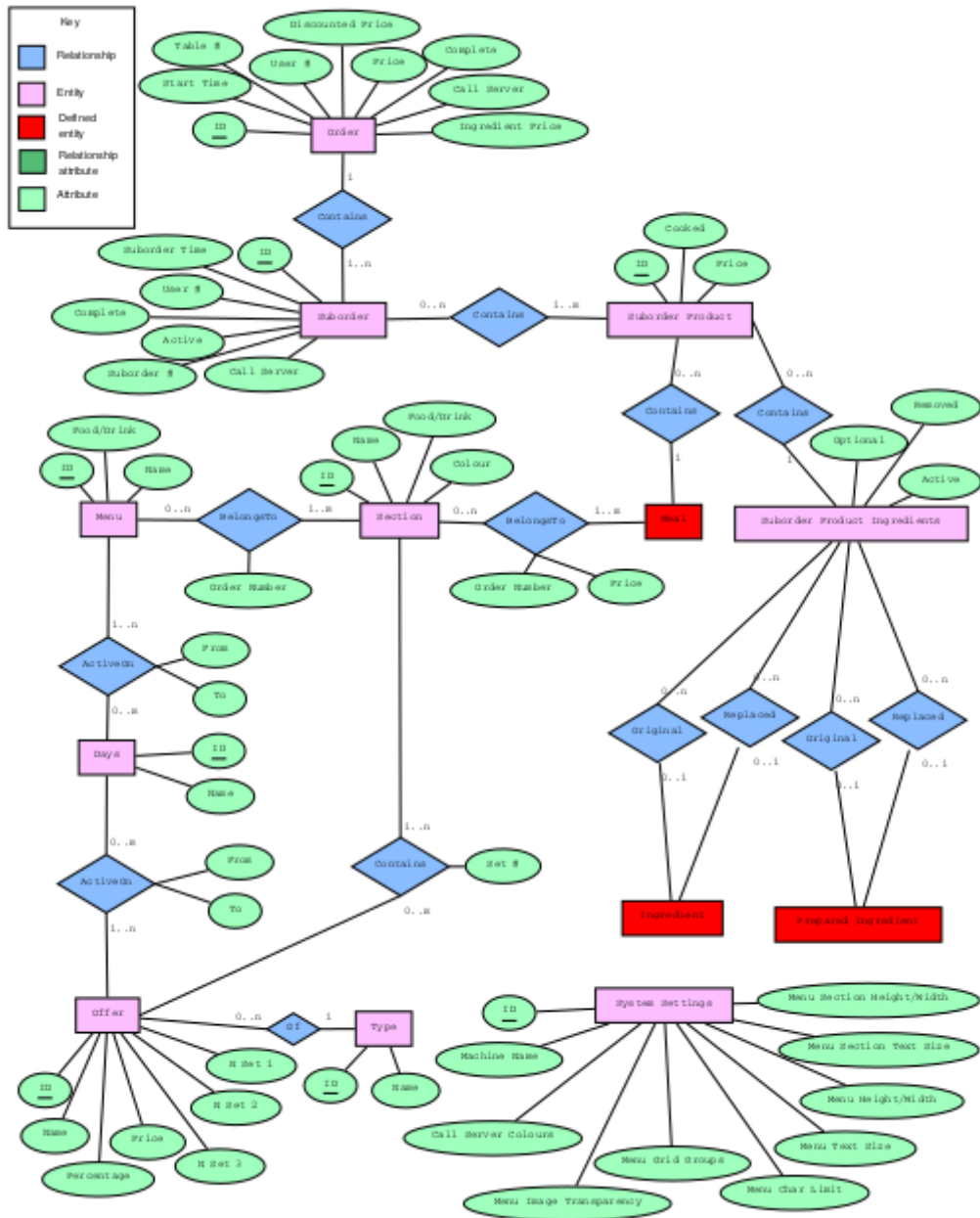
Figure 7: Entity Relationship of the menu, order and system settings.

4.5 Graphical User Interface

The graphical user interface (GUI) is the only component of the system that the user interacts with therefore is of great importance. The design had to be simple, clear and concise but whilst also showing all of the required features. The main objective was to create a GUI that allowed the user to get the order completed in the minimum time possible. This was judged by the time taken to complete the order as well as the amount of clicks required to get from the start to the finish. In total, there are 2 different GUIs within the restaurant management system with each GUI requiring a different design specification.

4.5.1 Admin Gui

The Admin system GUI has the most user interaction through the means of a touch screen. Hence usability and user-friendliness of the GUI was of the highest priority. Therefore the specification was as follows:

- Chronological order of steps; either from left to right, top to bottom or a mixture of both.

- Minimum clicks from start to finish.

- Meal items.

- Ability to fit on any monitor size.

- Maximum space usage with readable font.
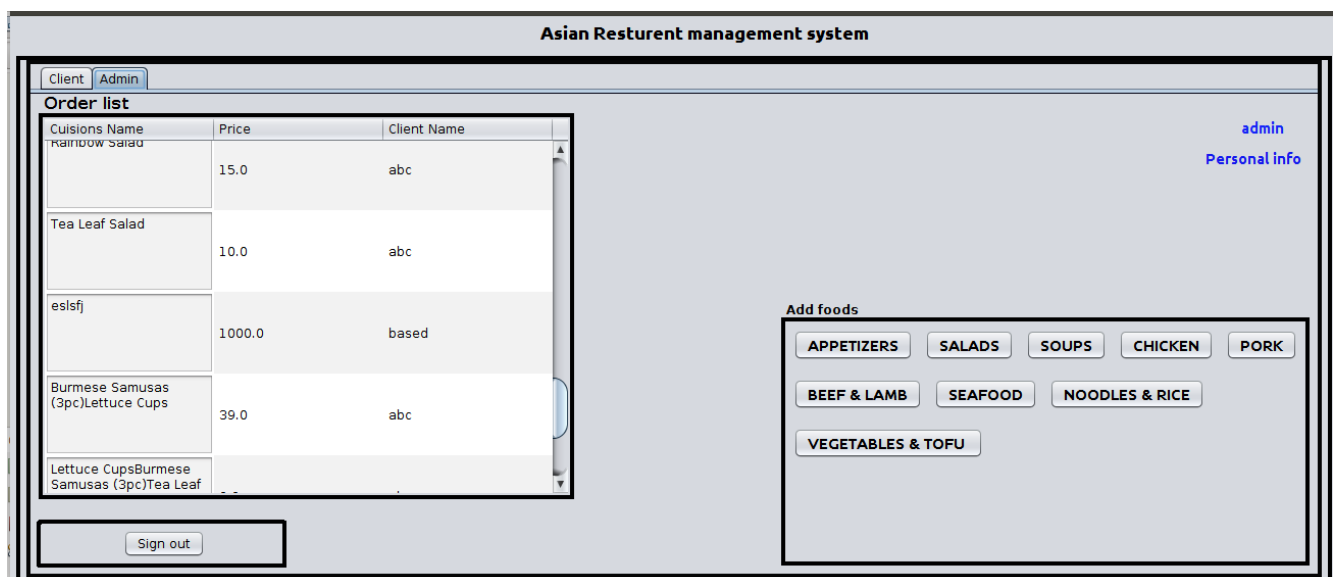
Figure 8: Design of the Admin GUI for a monitor.

4.5.2 Client Gui

The Client system requires a GUI to input data therefore requires an appropriate input design. Figure 9 shows the design of the management application with the different functions appearing the left hand side as a tab. Each tab contains a subform with Figure 4.9 containing the structure of the generic data input form.

Figure 9: Design of the Client GUI for a monitor.

4.6   Flow Charts

A flow chart is a diagram used to represent the process flow of an algorithm, problem or some transaction within a business. Therefore a flow chart (Figure 10) was used to graphically represent the process flow of an order.
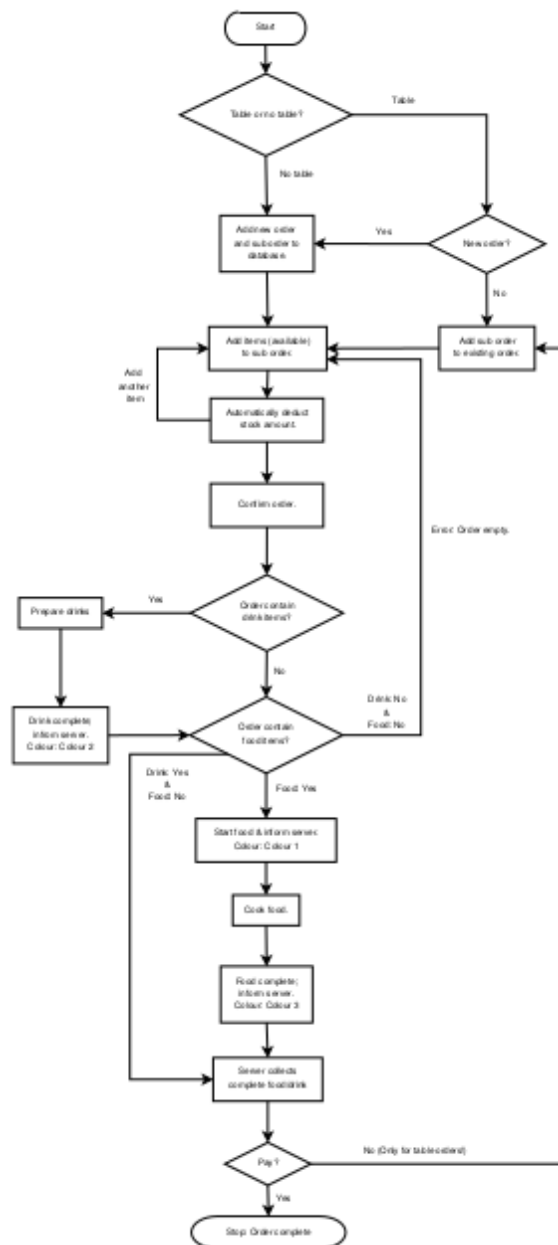
Figure 10: Flow chart to show the flow of events of an order..

4.7 Chapter Summary

This chapter has displayed many graphical representations of the design of the system. The imple- mentation of the system is documented in the next chapter.

5   Chapter Five

Implementation

5.1   Chapter Overview

This chapter discusses the theory behind the implementation of interesting and complex features using pseudocode and diagrams for clear explanations. The implementation stage of any project can be the most enjoyable part and with a well structured plan and appropriate development methodology can be a trouble free stage.

5.2   Implementing Extreme Programming (XP)

As discussed in section 2.7, this project used an agile methodology called Extreme Programming (XP). This type of methodology utilises an iterative process involving customer communication and feedback. The iterations were short with a new software version built at the end of each phase. Version control helped with debugging as the versions could be rolled back to find the iteration that caused the bug.

5.3   Data Storage and Retrieval

As discussed in Section 4.4.1, a RDBMS was the preferred storage method chosen for this project. The two ER diagrams (Figure 6 and 7) that were designed in Section 4.4.5 helped with the implementation of the database.

The structure of the database was just the first step of many with data retrieval being high in priority. Recall from the background on requirement gathering (Section 2.6), most software systems abide by Boehms cost model (Figure 2) so a 1 cost of change in the requirement gathering can cost up to 1000 in the deployment stage to fix. Therefore when implementing the code to retrieve data from the database, we have to consider the case that in the future this system will need maintenance and added features to keep the product competitive within the market. The problem is we cannot predict the future; all we can do is rely on a well structured code base written using all the skills and techniques from the field to ensure easy readability of the code.

To implement this requirement for database retrieval, the code used the object oriented advantages of Java to create a database object that provided the database connection and data retrievals. Along with this database object, inheritance played an important role as a generic class created the SQL statements using an array of table field names and input values. Any object that required to send or retrieve data to the database could extend this generic class giving that object the functionality to insert, delete and update any table within the database.

5.4   GUI Implementation

The GUI implementation follows on from the GUI designs that were discussed in Section 4.5. Recall, that the GUI is one of the most important components of the system as its

the only component the user will ever interact with. Hence by creating an application that has amazing functionality but in a poor command line interface would be enough for the user to dislike the software. The three GUIs have been coded in Java using the Swing classes that are part of the Javax package. These classes allow applications to be built using similar controls to that found in many applications therefore first impressions should be recognition of the familiarity of the controls. The following sub-sections show how some important design concepts were implemented in the GUI. Code snippets and screenshots will all be used to give a clear explanation of the implementation.

5.4.1   Home Screen
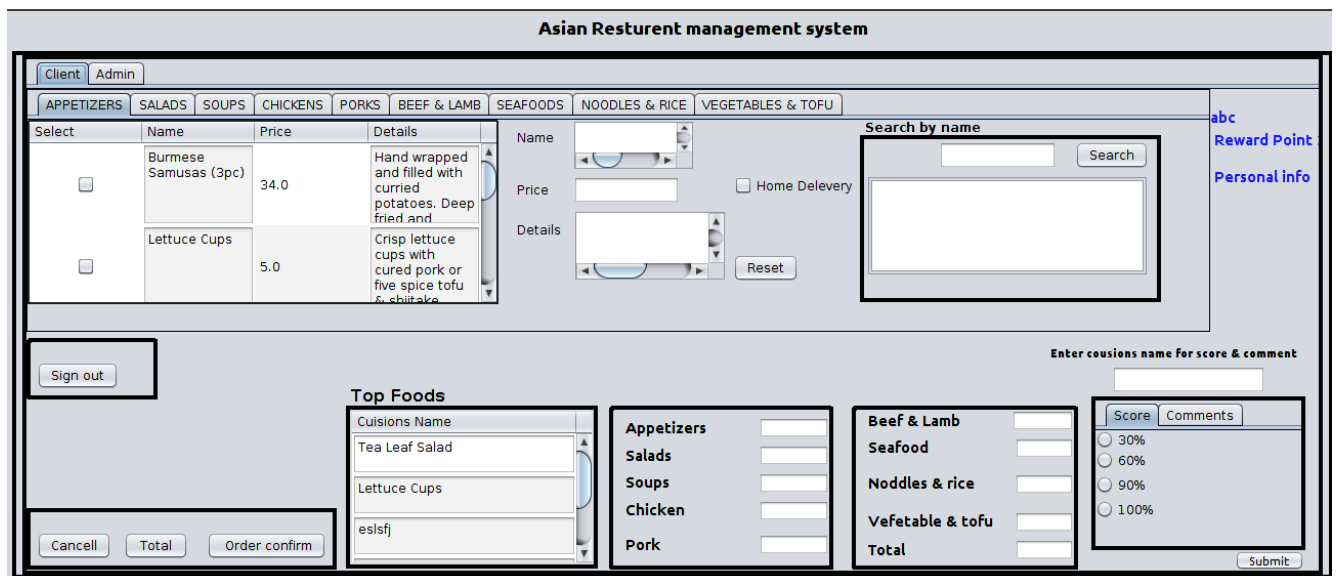
Figure 11: Design for Home screen

```
    /*
 * To change this license header, choose License Headers in Project
     Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package HomeActivity;

import DatabaseConnection.DatabaseConnection;
import FoodAddOnDatabase.Salads;
import FoodAddOnDatabase.Appetizers;
import FoodAddOnDatabase.BeefLamb;
import FoodAddOnDatabase.Chicken;
import FoodAddOnDatabase.NoddlesRice;
import FoodAddOnDatabase.Pork;
import FoodAddOnDatabase.SeaFood;
```

21

```java
import FoodAddOnDatabase.Soups;
import FoodAddOnDatabase.VegeTofu;
import OrderInsertIntoOrderListTable.InsertIntoTable;
import PersonalInfoShow.PersonalInfoFrame;
import PersonalInfoShow.PersonalInfoFrameForAdmin;
import ReadDataFromDatabase.ReadFromTable;
import ReadDataFromDatabase.WrapTextInJTable;
import RegistrationPackage.Admin.SignInClassForAdmin;
import RegistrationPackage.Admin.SignOutForAdmin;
import RegistrationPackage.Admin.SignUpClassForAdmin;
import RegistrationPackage.SignInClass;
import RegistrationPackage.SignOutForClient;
import RegistrationPackage.SignUpClass;
import SearchFromDatabase.SearchFoodInClientModeVege;
import SearchFromDatabase.SearchFromAllDatabase;
import SearchFromDatabase.SearhingInformation;
import java.awt.Dimension;
import java.awt.GraphicsDevice;
import java.awt.GraphicsEnvironment;
import java.awt.Toolkit;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.Random;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.ButtonGroup;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.event.TableModelEvent;
import javax.swing.event.TableModelListener;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableModel;

/**
 *
 * @author basedul
 */
public class MainActivity extends javax.swing.JFrame implements
    ActionListener {

    /**
     * Creates new form MainActivity
```

```java
 *
 */
String u_score;

/*Set data on admin table*/
private StringBuilder meName = new StringBuilder();
private float totPrice = 0;
private JScrollPane jScrollPane1;
private String currentUser = "";
private String currentAdmin = "";

StringBuilder str = new StringBuilder();
StringBuilder str1 = new StringBuilder();
StringBuilder str2 = new StringBuilder();
StringBuilder str3 = new StringBuilder();
StringBuilder str4 = new StringBuilder();
StringBuilder str5 = new StringBuilder();
StringBuilder str6 = new StringBuilder();
StringBuilder str7 = new StringBuilder();
StringBuilder str8 = new StringBuilder();

public String getCurrentUser() {
    return currentUser;
}

public MainActivity() {
    initComponents();
//      Dimension screenSize = Toolkit.getDefaultToolkit().getScreenSize();
//      setBounds(0,0,screenSize.width, screenSize.height);
//      GraphicsDevice gd =
    GraphicsEnvironment.getLocalGraphicsEnvironment().getDefaultScreenDevice();
//      int width = gd.getDisplayMode().getWidth();
//      int height = gd.getDisplayMode().getHeight();
//      setBounds(100, 100, width, height);
    setVisible(true);
    setResizable(false);
    setLocationRelativeTo(null);// size of display

    // radio button
    ThirtyP.addActionListener(this);
    SixTyP.addActionListener(this);
    NineTyP.addActionListener(this);
    HundredP.addActionListener(this);
    RadioButtonGroup();

    // table orderList
    /*orderList = new DefaultTableModel();
    orderList.setColumnCount(4);
```

```java
orderList.setColumnIdentifiers(new Object[]{"Meal Name", "Drink Name",
    "Client Name", "Total price"});
TableForShowOrderList.setModel(orderList);

// for meal show on cilent side using table
String qureyM = "select * from `Meal`";
DefaultTableModel mealListTableModel = new DefaultTableModel();
mealListTableModel.setColumnIdentifiers(new Object[]{"Name", "Price"});
new ReadFromTable().ReadMeal(TableForMealInClinet, mealListTableModel,
    qureyM, "m_name", "m_price");

// for drink show on cilent side using table
String qureyD = "select * from `Drink`";
DefaultTableModel drinkListTableModel = new DefaultTableModel();
drinkListTableModel.setColumnIdentifiers(new Object[]{"Name",
    "Price"});
new ReadFromTable().ReadMeal(TableForSetDrink, drinkListTableModel,
    qureyD, "d_name", "d_price");



// for drink show on cilent side using table
String qureyO = "select * from `OrderList`";
DefaultTableModel OrderListTableModel = new DefaultTableModel();
OrderListTableModel.setColumnIdentifiers(new Object[]{"Lunch
    Specials", "Drinks", "Client Name", "Total price"});
new ReadFromTable().ReadMeal(TableForShowOrderList,
    OrderListTableModel, qureyO, "o_m_name", "o_d_name", "o_c_name",
    "o_t_price");
// button setClickable or not
confirmOrderButton.setVisible(false);
//TableForShowOrderList.setVisible(false);

//ScrollPaneForOrdLisTable.setVisible(false);
TableForShowOrderList.setVisible(false);*/
//vage_table();
String qureyAp = "select * from `APPETIZERS`";
new ReadFromTable().readFoodsFromTable(apptizers_table, qureyAp,
    "app_name", "app_price", "details_of_App");

String qureysl = "select * from `Salad`";
new ReadFromTable().readFoodsFromTable(saladTable, qureysl, "sl_name",
    "sl_price", "sl_details");

String qureysp = "select * from `Soups`";
new ReadFromTable().readFoodsFromTable(SoupsTable, qureysp, "so_name",
    "so_price", "so_details");

String qureyck = "select * from `Chicken`";
```

```java
new ReadFromTable().readFoodsFromTable(ChickenTable, qureyck,
    "ck_name", "ck_price", "ck_details");

String qureypk = "select * from `Pork`";
new ReadFromTable().readFoodsFromTable(PorkTable, qureypk, "po_name",
    "po_price", "po_details");

String qureybl = "select * from `BeefLamb`";
new ReadFromTable().readFoodsFromTable(Beef_lambTable, qureybl,
    "bl_name", "bl_price", "bl_details");

String qureysf = "select * from `SeaFood`";
new ReadFromTable().readFoodsFromTable(SeaFoodTable, qureysf,
    "sf_name", "sf_price", "sf_details");

String qureynr = "select * from `NoddlesRice`";
new ReadFromTable().readFoodsFromTable(NoddlesTable, qureynr,
    "nr_name", "nr_price", "nr_details");

String qureyvt = "select * from `VegeTofu`";
new ReadFromTable().readFoodsFromTable(VegeTables, qureyvt, "vt_name",
    "vt_price", "vt_details");

confirmOrderButton.setVisible(false);
//TableForShowOrderList.setVisible(false);

String qureyO = "select * from `ClientOrderList`";
DefaultTableModel OrderListTableModel = new DefaultTableModel();
OrderListTableModel.setColumnIdentifiers(new Object[]{"Cuisions Name",
    "Price", "Client Name"});
new ReadFromTable().ReadMeal(TableForShowOrderList,
    OrderListTableModel, qureyO, "col_name", "col_price", "UserName",
    150);

/**
 * **
 */
String qureyrl = "select DISTINCT rl_name from `RankList` ORDER BY
    `rl_score` DESC";
DefaultTableModel rl = new DefaultTableModel();
rl.setColumnIdentifiers(new Object[]{"Cuisions Name"});
new ReadFromTable().ReadMeal(topFoodsTable, rl, qureyrl, "rl_name", 0,
    0);

topFoodsTable.getColumnModel().getColumn(0).setCellRenderer(new
    WrapTextInJTable());
int rowRl = topFoodsTable.getRowCount();
for (int i = 0; i < rowRl; i++) {
    topFoodsTable.setRowHeight(i, 40);
```

```java
        }
        topFoodsTable.setCellSelectionEnabled(false);

        apptizers_table.getColumnModel().getColumn(1).setCellRenderer(new
            WrapTextInJTable());
        apptizers_table.getColumnModel().getColumn(3).setCellRenderer(new
            WrapTextInJTable());
        int rowC = apptizers_table.getRowCount();
        for (int i = 0; i < rowC; i++) {
            apptizers_table.setRowHeight(i, 80);
        }
        apptizers_table.setCellSelectionEnabled(false);

        saladTable.getColumnModel().getColumn(1).setCellRenderer(new
            WrapTextInJTable());
        saladTable.getColumnModel().getColumn(3).setCellRenderer(new
            WrapTextInJTable());
        int rowCS = saladTable.getRowCount();
        for (int i = 0; i < rowCS; i++) {
            saladTable.setRowHeight(i, 80);
        }
        saladTable.setCellSelectionEnabled(false);

        SoupsTable.getColumnModel().getColumn(1).setCellRenderer(new
            WrapTextInJTable());
        SoupsTable.getColumnModel().getColumn(3).setCellRenderer(new
            WrapTextInJTable());
        int rowCSO = SoupsTable.getRowCount();
        for (int i = 0; i < rowCSO; i++) {
            SoupsTable.setRowHeight(i, 80);
        }
        SoupsTable.setCellSelectionEnabled(false);

        ChickenTable.getColumnModel().getColumn(1).setCellRenderer(new
            WrapTextInJTable());
        ChickenTable.getColumnModel().getColumn(3).setCellRenderer(new
            WrapTextInJTable());
        int rowcH = ChickenTable.getRowCount();
        for (int i = 0; i < rowcH; i++) {
            ChickenTable.setRowHeight(i, 80);
        }
        ChickenTable.setCellSelectionEnabled(false);

        Beef_lambTable.getColumnModel().getColumn(1).setCellRenderer(new
            WrapTextInJTable());
        Beef_lambTable.getColumnModel().getColumn(3).setCellRenderer(new
            WrapTextInJTable());
        int rowB = Beef_lambTable.getRowCount();
        for (int i = 0; i < rowB; i++) {
```

```java
        Beef_lambTable.setRowHeight(i, 80);
    }
    Beef_lambTable.setCellSelectionEnabled(false);

    PorkTable.getColumnModel().getColumn(1).setCellRenderer(new
        WrapTextInJTable());
    PorkTable.getColumnModel().getColumn(3).setCellRenderer(new
        WrapTextInJTable());
    int rowP = PorkTable.getRowCount();
    for (int i = 0; i < rowP; i++) {
        PorkTable.setRowHeight(i, 80);
    }
    PorkTable.setCellSelectionEnabled(false);

    SeaFoodTable.getColumnModel().getColumn(1).setCellRenderer(new
        WrapTextInJTable());
    SeaFoodTable.getColumnModel().getColumn(3).setCellRenderer(new
        WrapTextInJTable());
    int rowSf = SeaFoodTable.getRowCount();
    for (int i = 0; i < rowSf; i++) {
        SeaFoodTable.setRowHeight(i, 80);
    }
    SeaFoodTable.setCellSelectionEnabled(false);

    NoddlesTable.getColumnModel().getColumn(1).setCellRenderer(new
        WrapTextInJTable());
    NoddlesTable.getColumnModel().getColumn(3).setCellRenderer(new
        WrapTextInJTable());
    int rownd = NoddlesTable.getRowCount();
    for (int i = 0; i < rownd; i++) {
        NoddlesTable.setRowHeight(i, 80);
    }
    NoddlesTable.setCellSelectionEnabled(false);

    VegeTables.getColumnModel().getColumn(1).setCellRenderer(new
        WrapTextInJTable());
    VegeTables.getColumnModel().getColumn(3).setCellRenderer(new
        WrapTextInJTable());
    int rowVG = VegeTables.getRowCount();
    for (int i = 0; i < rowVG; i++) {
        VegeTables.setRowHeight(i, 80);
    }
    VegeTables.setCellSelectionEnabled(false);

    TableForShowOrderList.getColumnModel().getColumn(0).setCellRenderer(new
        WrapTextInJTable());
    //TableForShowOrderList.getColumnModel().getColumn().setCellRenderer(new
        WrapTextInJTable());
    int rowAd = TableForShowOrderList.getRowCount();
```

```java
        for (int i = 0; i < rowAd; i++) {
            TableForShowOrderList.setRowHeight(i, 80);
        }
        TableForShowOrderList.setCellSelectionEnabled(false);

        setActiveUser();
        setActiveAdmin();

    }

    public JButton getConfirmButton() {
        return confirmOrderButton;
    }

    public JTable tableVisibilty() {
        return TableForShowOrderList;
    }

    public void topFoods() {
        String foodName = editTextForCousionsNameSC.getText().toString();
        if (!foodName.equals("")) {
            if (!u_score.equals("")) {
                int score = Integer.parseInt(u_score);
                String comments = editTextComments.getText().toString();
                if (!comments.equals("")) {
                    PreparedStatement ps;
                    String query = "INSERT INTO `RankList`(`rl_name`,
                        `rl_score`, `rl_comments`) VALUES (?,?,?)";
                    try {
                        ps =
                            DatabaseConnection.getConnection().prepareStatement(query);
                        ps.setString(1, foodName);
                        ps.setInt(2, score);
                        ps.setString(3, comments);

                        if (ps.executeUpdate() > 0) {
                            JOptionPane.showMessageDialog(rootPane, "Thank
                                you!");
                        }
                    } catch (SQLException ex) {
                        Logger.getLogger(MainActivity.class.getName()).log(Level.SEVERE,
                            null, ex);
                    }
                } else {
                    JOptionPane.showMessageDialog(rootPane, "Please, enter your
                        comments !");
                    editTextComments.setText("");
                    editTextComments.requestFocus();
                }
```

```java
        } else {
            JOptionPane.showMessageDialog(rootPane, "Select score !");
            /// selection clear korte hobe
        }
    } else {
        JOptionPane.showMessageDialog(rootPane, "Please enter food name
            !");
        editTextForCousionsNameSC.setText("");
        editTextForCousionsNameSC.requestFocus();
    }
}

public void setActiveAdmin() {
    PreparedStatement ps;
    ResultSet rs;
    String query = "SELECT * FROM `RegistrationForAdmin` WHERE `status`
        =?";
    try {
        ps = DatabaseConnection.getConnection().prepareStatement(query);
        ps.setInt(1, 1);
        rs = ps.executeQuery();
        if (rs.next()) {
            String name = rs.getString("u_u_name");
            currentAdmin = name;
            activeAdminJlabel.setText(name);
            personalInfoForAdmin.setVisible(true);
            SignInButtonForAdmin.setVisible(false);
            SignUpButtonForAdmin.setVisible(false);
            SignOutButtonForAdmin.setVisible(true);
            ScrollPaneForOrdLisTable.setVisible(true);
        } else {
            activeAdminJlabel.setText("No Admin!");
            personalInfoForAdmin.setVisible(false);
            SignInButtonForAdmin.setVisible(true);
            SignUpButtonForAdmin.setVisible(true);
            ScrollPaneForOrdLisTable.setVisible(false);
            SignOutButtonForAdmin.setVisible(false);
        }
    } catch (SQLException ex) {
        Logger.getLogger(MainActivity.class.getName()).log(Level.SEVERE,
            null, ex);
    }
}

public void setActiveUser() {
    PreparedStatement ps;
    ResultSet rs;
    String query = "SELECT * FROM `Registration` WHERE `status` =?";
    try {
```

```java
        ps = DatabaseConnection.getConnection().prepareStatement(query);
        ps.setInt(1, 1);
        rs = ps.executeQuery();
        if (rs.next()) {
            String name = rs.getString("u_u_name");
            currentUser = name;
            float rePoint = rs.getFloat("reward_point");
            activeUserJlabel.setText(name);
            rewardPointLabel.setText("Reward Point " + (int) rePoint);
            rewardPointLabel.setVisible(true);
            personalInfo.setVisible(true);
            SignInButton.setVisible(false);
            SignUpButton.setVisible(false);
            SignOutButtonForClient.setVisible(true);
            confirmOrderButton.setVisible(true);
        } else {
            activeUserJlabel.setText("No user!");
            personalInfo.setVisible(false);
            rewardPointLabel.setVisible(false);
            SignInButton.setVisible(true);
            SignUpButton.setVisible(true);
            SignOutButtonForClient.setVisible(false);
        }
    } catch (SQLException ex) {
        Logger.getLogger(MainActivity.class.getName()).log(Level.SEVERE,
            null, ex);
    }

}


public void RadioButtonGroup() {
    ButtonGroup buttonGroup = new ButtonGroup();
    buttonGroup.add(ThirtyP);
    buttonGroup.add(SixTyP);
    buttonGroup.add(NineTyP);
    buttonGroup.add(HundredP);
}

/**
 * This method is called from within the constructor to initialize the
    form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel8 = new javax.swing.JPanel();
```

```
Admin = new javax.swing.JTabbedPane();
jPanel1 = new javax.swing.JPanel();
jPanel7 = new javax.swing.JPanel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
appTot = new javax.swing.JTextField();
TotaSalad = new javax.swing.JTextField();
totaChicken = new javax.swing.JTextField();
TotaSup = new javax.swing.JTextField();
totaPork = new javax.swing.JTextField();
jPanel10 = new javax.swing.JPanel();
SignInButton = new javax.swing.JButton();
SignUpButton = new javax.swing.JButton();
SignOutButtonForClient = new javax.swing.JButton();
jPanel12 = new javax.swing.JPanel();
confirmOrderButton = new javax.swing.JButton();
CancellButton = new javax.swing.JButton();
TotalButton = new javax.swing.JButton();
jTabbedPane1 = new javax.swing.JTabbedPane();
jPanel17 = new javax.swing.JPanel();
jScrollPane8 = new javax.swing.JScrollPane();
apptizers_table = new javax.swing.JTable();
jLabelAp2 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
priceShowText = new javax.swing.JTextField();
res_button_app = new javax.swing.JButton();
homeDel = new javax.swing.JCheckBox();
jScrollPane6 = new javax.swing.JScrollPane();
detailsShowTxt = new javax.swing.JTextArea();
jScrollPane9 = new javax.swing.JScrollPane();
NameShowText = new javax.swing.JTextArea();
jPanel15 = new javax.swing.JPanel();
appGetText = new javax.swing.JTextField();
SearchButtonInClientForApp = new javax.swing.JButton();
jScrollPane7 = new javax.swing.JScrollPane();
jScrollPane34 = new javax.swing.JScrollPane();
appGetTextForShow = new javax.swing.JTextArea();
jPanel18 = new javax.swing.JPanel();
jScrollPane10 = new javax.swing.JScrollPane();
saladTable = new javax.swing.JTable();
jLabelAp3 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
priceShowTextSalad = new javax.swing.JTextField();
res_button_salad = new javax.swing.JButton();
```

```java
home_delv_salad = new javax.swing.JCheckBox();
jScrollPane11 = new javax.swing.JScrollPane();
detailsShowTxtSalad = new javax.swing.JTextArea();
jScrollPane12 = new javax.swing.JScrollPane();
NameShowTextSalad = new javax.swing.JTextArea();
jPanel26 = new javax.swing.JPanel();
saladtextget = new javax.swing.JTextField();
SearchButtonInClientSalad = new javax.swing.JButton();
jScrollPane35 = new javax.swing.JScrollPane();
jScrollPane36 = new javax.swing.JScrollPane();
saladgetTextShow = new javax.swing.JTextArea();
jPanel19 = new javax.swing.JPanel();
jScrollPane13 = new javax.swing.JScrollPane();
SoupsTable = new javax.swing.JTable();
jLabelAp4 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel19 = new javax.swing.JLabel();
priceShowTextSoups = new javax.swing.JTextField();
res_button_soup = new javax.swing.JButton();
home_delv_soup = new javax.swing.JCheckBox();
jScrollPane14 = new javax.swing.JScrollPane();
detailsShowTxtSoups = new javax.swing.JTextArea();
jScrollPane15 = new javax.swing.JScrollPane();
NameShowTextSoups = new javax.swing.JTextArea();
jPanel27 = new javax.swing.JPanel();
SoupsGetText = new javax.swing.JTextField();
SoupsSearchButton = new javax.swing.JButton();
jScrollPane37 = new javax.swing.JScrollPane();
jScrollPane38 = new javax.swing.JScrollPane();
SoupsGetTextShow = new javax.swing.JTextArea();
jPanel20 = new javax.swing.JPanel();
jScrollPane16 = new javax.swing.JScrollPane();
ChickenTable = new javax.swing.JTable();
jLabelAp5 = new javax.swing.JLabel();
jLabel20 = new javax.swing.JLabel();
jLabel21 = new javax.swing.JLabel();
priceShowTextChicken = new javax.swing.JTextField();
res_button_chick = new javax.swing.JButton();
home_del_chik = new javax.swing.JCheckBox();
jScrollPane17 = new javax.swing.JScrollPane();
detailsShowTxtChicken = new javax.swing.JTextArea();
jScrollPane18 = new javax.swing.JScrollPane();
NameShowTextChicken = new javax.swing.JTextArea();
jPanel28 = new javax.swing.JPanel();
checkenGetText = new javax.swing.JTextField();
ChickensearchButton = new javax.swing.JButton();
jScrollPane39 = new javax.swing.JScrollPane();
jScrollPane40 = new javax.swing.JScrollPane();
chickenTextSh = new javax.swing.JTextArea();
```

```java
jPanel21 = new javax.swing.JPanel();
jScrollPane19 = new javax.swing.JScrollPane();
PorkTable = new javax.swing.JTable();
jLabelAp6 = new javax.swing.JLabel();
jLabel22 = new javax.swing.JLabel();
jLabel23 = new javax.swing.JLabel();
priceShowTextPork = new javax.swing.JTextField();
res_butt_pork = new javax.swing.JButton();
home_delv_pork = new javax.swing.JCheckBox();
jScrollPane20 = new javax.swing.JScrollPane();
detailsShowTxtPork = new javax.swing.JTextArea();
jScrollPane21 = new javax.swing.JScrollPane();
NameShowTextPork = new javax.swing.JTextArea();
jPanel29 = new javax.swing.JPanel();
porkGetT = new javax.swing.JTextField();
porkSearchButton = new javax.swing.JButton();
jScrollPane41 = new javax.swing.JScrollPane();
jScrollPane42 = new javax.swing.JScrollPane();
porkGetTSh = new javax.swing.JTextArea();
jPanel22 = new javax.swing.JPanel();
jScrollPane22 = new javax.swing.JScrollPane();
Beef_lambTable = new javax.swing.JTable();
jLabelAp7 = new javax.swing.JLabel();
jLabel24 = new javax.swing.JLabel();
jLabel25 = new javax.swing.JLabel();
priceShowTextBeefLamb = new javax.swing.JTextField();
res_button_beef = new javax.swing.JButton();
home_delv_beef = new javax.swing.JCheckBox();
jScrollPane23 = new javax.swing.JScrollPane();
detailsShowTxtBeefLamb = new javax.swing.JTextArea();
jScrollPane24 = new javax.swing.JScrollPane();
NameShowTextBeefLamb = new javax.swing.JTextArea();
jPanel30 = new javax.swing.JPanel();
beefText = new javax.swing.JTextField();
beefSearchButton = new javax.swing.JButton();
jScrollPane43 = new javax.swing.JScrollPane();
jScrollPane44 = new javax.swing.JScrollPane();
beefTextShw = new javax.swing.JTextArea();
jPanel23 = new javax.swing.JPanel();
jScrollPane25 = new javax.swing.JScrollPane();
SeaFoodTable = new javax.swing.JTable();
jLabelAp8 = new javax.swing.JLabel();
jLabel26 = new javax.swing.JLabel();
jLabel27 = new javax.swing.JLabel();
priceShowTextSeaFood = new javax.swing.JTextField();
res_button_sea = new javax.swing.JButton();
home_delv_sea = new javax.swing.JCheckBox();
jScrollPane26 = new javax.swing.JScrollPane();
detailsShowTxtSeaFood = new javax.swing.JTextArea();
```

```java
jScrollPane27 = new javax.swing.JScrollPane();
NameShowTextSeaFood = new javax.swing.JTextArea();
jPanel31 = new javax.swing.JPanel();
seaText = new javax.swing.JTextField();
seaSearchButton = new javax.swing.JButton();
jScrollPane45 = new javax.swing.JScrollPane();
jScrollPane46 = new javax.swing.JScrollPane();
seaTextShow = new javax.swing.JTextArea();
jPanel24 = new javax.swing.JPanel();
jScrollPane28 = new javax.swing.JScrollPane();
NoddlesTable = new javax.swing.JTable();
jLabelAp9 = new javax.swing.JLabel();
jLabel28 = new javax.swing.JLabel();
jLabel29 = new javax.swing.JLabel();
priceShowTextNoddlesRice = new javax.swing.JTextField();
res_button_nodd = new javax.swing.JButton();
home_delv_nodd = new javax.swing.JCheckBox();
jScrollPane29 = new javax.swing.JScrollPane();
detailsShowTxtNoddlesRice = new javax.swing.JTextArea();
jScrollPane30 = new javax.swing.JScrollPane();
NameShowTextNoddlesRice = new javax.swing.JTextArea();
jPanel32 = new javax.swing.JPanel();
nodText = new javax.swing.JTextField();
nodSearchButton = new javax.swing.JButton();
jScrollPane47 = new javax.swing.JScrollPane();
jScrollPane48 = new javax.swing.JScrollPane();
nodTextShow = new javax.swing.JTextArea();
jPanel25 = new javax.swing.JPanel();
jScrollPane31 = new javax.swing.JScrollPane();
VegeTables = new javax.swing.JTable();
jLabelAp10 = new javax.swing.JLabel();
jLabel30 = new javax.swing.JLabel();
jLabel31 = new javax.swing.JLabel();
priceShowTextvege = new javax.swing.JTextField();
res_button_vege = new javax.swing.JButton();
home_delv_vege = new javax.swing.JCheckBox();
jScrollPane32 = new javax.swing.JScrollPane();
detailsShowTxtvege = new javax.swing.JTextArea();
jScrollPane33 = new javax.swing.JScrollPane();
NameShowTextvege = new javax.swing.JTextArea();
jPanel11 = new javax.swing.JPanel();
vegeGetText = new javax.swing.JTextField();
SearchButtonInClientForVEGe = new javax.swing.JButton();
jScrollPane3 = new javax.swing.JScrollPane();
jScrollPane4 = new javax.swing.JScrollPane();
vegeGetTextForShow = new javax.swing.JTextArea();
jPanel9 = new javax.swing.JPanel();
jLabel9 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
```

```java
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jLabel32 = new javax.swing.JLabel();
totaBeef = new javax.swing.JTextField();
totaSea = new javax.swing.JTextField();
totaVege = new javax.swing.JTextField();
totaNodd = new javax.swing.JTextField();
tota = new javax.swing.JTextField();
activeUserJlabel = new javax.swing.JLabel();
jTabbedPane2 = new javax.swing.JTabbedPane();
jPanel5 = new javax.swing.JPanel();
ThirtyP = new javax.swing.JRadioButton();
SixTyP = new javax.swing.JRadioButton();
NineTyP = new javax.swing.JRadioButton();
HundredP = new javax.swing.JRadioButton();
jPanel6 = new javax.swing.JPanel();
editTextComments = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
personalInfo = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
editTextForCousionsNameSC = new javax.swing.JTextField();
buttonSubmitSC = new javax.swing.JButton();
ScrollPaneForOrdLisTable1 = new javax.swing.JScrollPane();
topFoodsTable = new javax.swing.JTable();
rewardPointLabel = new javax.swing.JLabel();
jPanel4 = new javax.swing.JPanel();
jPanel13 = new javax.swing.JPanel();
SignInButtonForAdmin = new javax.swing.JButton();
SignUpButtonForAdmin = new javax.swing.JButton();
SignOutButtonForAdmin = new javax.swing.JButton();
ScrollPaneForOrdLisTable = new javax.swing.JScrollPane();
TableForShowOrderList = new javax.swing.JTable();
jPanel16 = new javax.swing.JPanel();
addAppetizersButton = new javax.swing.JButton();
addDrinksButton = new javax.swing.JButton();
SoupsAddButton = new javax.swing.JButton();
ChickenAddButton = new javax.swing.JButton();
PorkAddButton = new javax.swing.JButton();
Beef_LambAddButton = new javax.swing.JButton();
SeaFoodAddButton = new javax.swing.JButton();
Noddles_RiceAddButton = new javax.swing.JButton();
Vegetables_tofuAddButton = new javax.swing.JButton();
activeAdminJlabel = new javax.swing.JLabel();
personalInfoForAdmin = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```java
jPanel8.setBorder(javax.swing.BorderFactory.createLineBorder(new
    java.awt.Color(0, 0, 0), 4));

Admin.setBorder(javax.swing.BorderFactory.createMatteBorder(4, 4, 4,
    4, new java.awt.Color(5, 5, 5)));
Admin.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AdminMouseClicked(evt);
    }
});

jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel7.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(0, 0, 0), 4, true));

jLabel7.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel7.setText("Pork");

jLabel8.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel8.setText("Chicken");

jLabel4.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel4.setText("Appetizers");

jLabel5.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel5.setText("Salads");

jLabel6.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel6.setText("Soups");

javax.swing.GroupLayout jPanel7Layout = new
    javax.swing.GroupLayout(jPanel7);
jPanel7.setLayout(jPanel7Layout);
jPanel7Layout.setHorizontalGroup(
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel7Layout.createSequentialGroup()
        .addGap(12, 12, 12)
        .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel7Layout.createSequentialGroup()
                .addComponent(jLabel4)
                .addGap(51, 51, 51)
                .addComponent(appTot,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 69,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel7Layout.createSequentialGroup()
                .addComponent(jLabel5)
                .addGap(85, 85, 85)
```

```
                    .addComponent(TotaSalad,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 69,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addComponent(jLabel6)
                    .addGap(87, 87, 87)
                    .addComponent(TotaSup,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 69,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addComponent(jLabel8)
                    .addGap(72, 72, 72)
                    .addComponent(totaChicken,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 69,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addComponent(jLabel7)
                    .addGap(96, 96, 96)
                    .addComponent(totaPork,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 69,
                        javax.swing.GroupLayout.PREFERRED_SIZE))))
    );
    jPanel7Layout.setVerticalGroup(
        jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addGap(7, 7, 7)
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addGap(1, 1, 1)
                    .addComponent(jLabel4))
                .addComponent(appTot,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(6, 6, 6)
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addGap(1, 1, 1)
                    .addComponent(jLabel5))
                .addComponent(TotaSalad,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(6, 6, 6)
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addComponent(jLabel6)
                .addComponent(TotaSup,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(6, 6, 6)
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
```

```java
                    .addComponent(jLabel8)
                    .addComponent(totaChicken,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(12, 12, 12)
                .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    .addGroup(jPanel7Layout.createSequentialGroup()
                        .addGap(1, 1, 1)
                        .addComponent(jLabel7))
                    .addComponent(totaPork,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
);

jPanel1.add(jPanel7, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(569, 309, -1, 160));

jPanel10.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(0, 0, 0), 4, true));

SignInButton.setText("Sign in");
SignInButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignInButtonMouseClicked(evt);
    }
});
SignInButton.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SignInButtonActionPerformed(evt);
    }
});

SignUpButton.setText("Sign up");
SignUpButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignUpButtonMouseClicked(evt);
    }
});

SignOutButtonForClient.setText("Sign out");
SignOutButtonForClient.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignOutButtonForClientMouseClicked(evt);
    }
});
```

```java
javax.swing.GroupLayout jPanel10Layout = new
    javax.swing.GroupLayout(jPanel10);
jPanel10.setLayout(jPanel10Layout);
jPanel10Layout.setHorizontalGroup(
    jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel10Layout.createSequentialGroup()
        .addGap(6, 6, 6)
        .addComponent(SignUpButton)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(SignOutButtonForClient)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
            12, Short.MAX_VALUE)
        .addComponent(SignInButton)
        .addGap(22, 22, 22))
);
jPanel10Layout.setVerticalGroup(
    jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel10Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE)
        .addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(SignInButton)
            .addComponent(SignUpButton)
            .addComponent(SignOutButtonForClient))
        .addContainerGap())
);

jPanel1.add(jPanel10, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(0, 243, -1, 60));

jPanel12.setBorder(javax.swing.BorderFactory.createLineBorder(new
    java.awt.Color(0, 0, 0), 4));

confirmOrderButton.setText(" Order confirm");
confirmOrderButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        confirmOrderButtonMouseClicked(evt);
    }
});

CancellButton.setText("Cancell");
CancellButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        CancellButtonMouseClicked(evt);
    }
});
```

```java
        TotalButton.setText("Total");
        TotalButton.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                TotalButtonMouseClicked(evt);
            }
        });

        javax.swing.GroupLayout jPanel12Layout = new
            javax.swing.GroupLayout(jPanel12);
        jPanel12.setLayout(jPanel12Layout);
        jPanel12Layout.setHorizontalGroup(
            jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel12Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(CancellButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(TotalButton,
                    javax.swing.GroupLayout.DEFAULT_SIZE, 63, Short.MAX_VALUE)
                .addGap(18, 18, 18)
                .addComponent(confirmOrderButton)
                .addContainerGap())
        );
        jPanel12Layout.setVerticalGroup(
            jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel12Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE)
                .addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(confirmOrderButton)
                    .addComponent(TotalButton)
                    .addComponent(CancellButton))
                .addContainerGap())
        );

        jPanel1.add(jPanel12, new
            org.netbeans.lib.awtextra.AbsoluteConstraints(0, 409, -1, 60));

        jTabbedPane1.setBorder(javax.swing.BorderFactory.createLineBorder(new
            java.awt.Color(0, 0, 0)));

        jScrollPane8.setBorder(new javax.swing.border.LineBorder(new
            java.awt.Color(24, 32, 32), 2, true));

        apptizers_table.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
```

```java
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
    ));
    apptizers_table.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            apptizers_tableMouseClicked(evt);
        }
    });
    jScrollPane8.setViewportView(apptizers_table);

    jLabelAp2.setText("Details");

    jLabel14.setText("Name");

    jLabel15.setText("Price");

    res_button_app.setText("Reset");
    res_button_app.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            res_button_appMouseClicked(evt);
        }
    });

    homeDel.setText("Home Delevery");

    detailsShowTxt.setColumns(20);
    detailsShowTxt.setRows(5);
    jScrollPane6.setViewportView(detailsShowTxt);

    NameShowText.setColumns(20);
    NameShowText.setRows(5);
    jScrollPane9.setViewportView(NameShowText);

    jPanel15.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
        java.awt.Color(0, 0, 0), 4), "Search by name",
        javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
        javax.swing.border.TitledBorder.DEFAULT_POSITION, new
        java.awt.Font("Dialog", 1, 12))); // NOI18N

    SearchButtonInClientForApp.setText("Search");
    SearchButtonInClientForApp.addMouseListener(new
        java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SearchButtonInClientForAppMouseClicked(evt);
        }
    });
```

```java
SearchButtonInClientForApp.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SearchButtonInClientForAppActionPerformed(evt);
    }
});

appGetTextForShow.setColumns(20);
appGetTextForShow.setRows(5);
jScrollPane34.setViewportView(appGetTextForShow);

jScrollPane7.setViewportView(jScrollPane34);

javax.swing.GroupLayout jPanel15Layout = new
    javax.swing.GroupLayout(jPanel15);
jPanel15.setLayout(jPanel15Layout);
jPanel15Layout.setHorizontalGroup(
    jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel15Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(appGetText,
            javax.swing.GroupLayout.PREFERRED_SIZE, 115,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(SearchButtonInClientForApp,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel15Layout.createSequentialGroup()
        .addComponent(jScrollPane7)
        .addContainerGap())
);
jPanel15Layout.setVerticalGroup(
    jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel15Layout.createSequentialGroup()
        .addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(appGetText,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(SearchButtonInClientForApp))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane7,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 19, Short.MAX_VALUE))
);
```

```java
javax.swing.GroupLayout jPanel17Layout = new
    javax.swing.GroupLayout(jPanel17);
jPanel17.setLayout(jPanel17Layout);
jPanel17Layout.setHorizontalGroup(
    jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel17Layout.createSequentialGroup()
        .addComponent(jScrollPane8,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addGroup(jPanel17Layout.createSequentialGroup()
                .addComponent(jLabelAp2,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jScrollPane6,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(res_button_app))
            .addGroup(jPanel17Layout.createSequentialGroup()
                .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.A
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addComponent(jLabel15,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REI
                        .addComponent(priceShowText,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addComponent(jLabel14)
                        .addGap(18, 18, 18)
                        .addComponent(jScrollPane9,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                            javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(38, 38, 38)
                .addComponent(homeDel)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
);
jPanel17Layout.setVerticalGroup(
    jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel17Layout.createSequentialGroup()
```

```java
          .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jPanel15,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Align
                .addComponent(jScrollPane8,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.A
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addGap(47, 47, 47)
                        .addComponent(homeDel)
                        .addGap(58, 58, 58)
                        .addComponent(res_button_app))
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupI
                            .addGroup(jPanel17Layout.createSequentialGroup()
                                .addGap(10, 10, 10)
                                .addComponent(jLabel14))
                            .addComponent(jScrollPane9,
                                javax.swing.GroupLayout.PREFERRED_SIZE,
                                50,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(5, 5, 5)
                        .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupI
                            .addComponent(jLabel15)
                            .addComponent(priceShowText,
                                javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupI
                            .addGroup(jPanel17Layout.createSequentialGroup()
                                .addGap(18, 18, 18)
                                .addComponent(jLabelAp2))
                            .addGroup(jPanel17Layout.createSequentialGroup()
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacer
                                .addComponent(jScrollPane6,
                                    javax.swing.GroupLayout.PREFERRED_SIZE,
                                    70,
                                    javax.swing.GroupLayout.PREFERRED_SIZE)))))))
        .addGap(129, 129, 129))
);

jTabbedPane1.addTab("APPETIZERS", jPanel17);

jScrollPane10.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));
```

```
saladTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
saladTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        saladTableMouseClicked(evt);
    }
});
jScrollPane10.setViewportView(saladTable);
if (saladTable.getColumnModel().getColumnCount() > 0) {
    saladTable.getColumnModel().getColumn(3).setHeaderValue("Title 4");
}

jLabelAp3.setText("Details");

jLabel16.setText("Name");

jLabel17.setText("Price");

res_button_salad.setText("Reset");
res_button_salad.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        res_button_saladMouseClicked(evt);
    }
});

home_delv_salad.setText("Home Delevery");

detailsShowTxtSalad.setColumns(20);
detailsShowTxtSalad.setRows(5);
jScrollPane11.setViewportView(detailsShowTxtSalad);

NameShowTextSalad.setColumns(20);
NameShowTextSalad.setRows(5);
jScrollPane12.setViewportView(NameShowTextSalad);

jPanel26.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Search by name",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 12))); // NOI18N
```

```java
SearchButtonInClientSalad.setText("Search");
SearchButtonInClientSalad.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SearchButtonInClientSaladMouseClicked(evt);
    }
});
SearchButtonInClientSalad.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SearchButtonInClientSaladActionPerformed(evt);
    }
});

saladgetTextShow.setColumns(20);
saladgetTextShow.setRows(5);
jScrollPane36.setViewportView(saladgetTextShow);

jScrollPane35.setViewportView(jScrollPane36);

javax.swing.GroupLayout jPanel26Layout = new
    javax.swing.GroupLayout(jPanel26);
jPanel26.setLayout(jPanel26Layout);
jPanel26Layout.setHorizontalGroup(
    jPanel26Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel26Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(saladtextget,
            javax.swing.GroupLayout.PREFERRED_SIZE, 115,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(SearchButtonInClientSalad,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel26Layout.createSequentialGroup()
        .addComponent(jScrollPane35)
        .addContainerGap())
);
jPanel26Layout.setVerticalGroup(
    jPanel26Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel26Layout.createSequentialGroup()
        .addGroup(jPanel26Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(saladtextget,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                .addComponent(SearchButtonInClientSalad))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jScrollPane35,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel18Layout = new
    javax.swing.GroupLayout(jPanel18);
jPanel18.setLayout(jPanel18Layout);
jPanel18Layout.setHorizontalGroup(
    jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel18Layout.createSequentialGroup()
        .addComponent(jScrollPane10,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel16)
            .addComponent(jLabel17,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabelAp3,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)
        .addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jScrollPane12,
                javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel18Layout.createSequentialGroup()
                .addComponent(priceShowTextSalad,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(31, 31, 31)
                .addComponent(home_delv_salad))
            .addGroup(jPanel18Layout.createSequentialGroup()
                .addComponent(jScrollPane11,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(40, 40, 40)
                .addComponent(res_button_salad)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel26, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE))
);
```

```java
        jPanel18Layout.setVerticalGroup(
            jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane10,
                javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel18Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jLabel16)
                .addGap(33, 33, 33)
                .addComponent(jLabel17)
                .addGap(23, 23, 23)
                .addComponent(jLabelAp3))
            .addGroup(jPanel18Layout.createSequentialGroup()
                .addComponent(jScrollPane12,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(priceShowTextSalad,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(home_delv_salad))
                .addGap(13, 13, 13)
                .addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(jScrollPane11,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel18Layout.createSequentialGroup()
                        .addGap(30, 30, 30)
                        .addComponent(res_button_salad))))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel18Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel26, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );

        jTabbedPane1.addTab("SALADS", jPanel18);

        jScrollPane13.setBorder(new javax.swing.border.LineBorder(new
            java.awt.Color(20, 224, 240), 2, true));
        jScrollPane13.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jScrollPane13MouseClicked(evt);
            }
        });
```

```java
SoupsTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
SoupsTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SoupsTableMouseClicked(evt);
    }
});
jScrollPane13.setViewportView(SoupsTable);
if (SoupsTable.getColumnModel().getColumnCount() > 0) {
    SoupsTable.getColumnModel().getColumn(3).setHeaderValue("Title 4");
}

jLabelAp4.setText("Details");

jLabel18.setText("Name");

jLabel19.setText("Price");

res_button_soup.setText("Reset");
res_button_soup.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        res_button_soupMouseClicked(evt);
    }
});

home_delv_soup.setText("Home Delevery");

detailsShowTxtSoups.setColumns(20);
detailsShowTxtSoups.setRows(5);
jScrollPane14.setViewportView(detailsShowTxtSoups);

NameShowTextSoups.setColumns(20);
NameShowTextSoups.setRows(5);
jScrollPane15.setViewportView(NameShowTextSoups);

jPanel27.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Search by name",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
```

```java
        java.awt.Font("Dialog", 1, 12))); // NOI18N

SoupsSearchButton.setText("Search");
SoupsSearchButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SoupsSearchButtonMouseClicked(evt);
    }
});
SoupsSearchButton.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SoupsSearchButtonActionPerformed(evt);
    }
});

SoupsGetTextShow.setColumns(20);
SoupsGetTextShow.setRows(5);
jScrollPane38.setViewportView(SoupsGetTextShow);

jScrollPane37.setViewportView(jScrollPane38);

javax.swing.GroupLayout jPanel27Layout = new
    javax.swing.GroupLayout(jPanel27);
jPanel27.setLayout(jPanel27Layout);
jPanel27Layout.setHorizontalGroup(
    jPanel27Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel27Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(SoupsGetText,
            javax.swing.GroupLayout.PREFERRED_SIZE, 115,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(SoupsSearchButton,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel27Layout.createSequentialGroup()
        .addComponent(jScrollPane37)
        .addContainerGap())
);
jPanel27Layout.setVerticalGroup(
    jPanel27Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel27Layout.createSequentialGroup()
        .addGroup(jPanel27Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(SoupsGetText,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                    .addComponent(SoupsSearchButton))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jScrollPane37,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 19, Short.MAX_VALUE))
);


javax.swing.GroupLayout jPanel19Layout = new
    javax.swing.GroupLayout(jPanel19);
jPanel19.setLayout(jPanel19Layout);
jPanel19Layout.setHorizontalGroup(
    jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel19Layout.createSequentialGroup()
        .addComponent(jScrollPane13,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel18)
            .addComponent(jLabel19,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabelAp4,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)
        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jScrollPane15,
                javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel19Layout.createSequentialGroup()
                .addComponent(priceShowTextSoups,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(31, 31, 31)
                .addComponent(home_delv_soup))
            .addGroup(jPanel19Layout.createSequentialGroup()
                .addComponent(jScrollPane14,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(40, 40, 40)
                .addComponent(res_button_soup)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jPanel27, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE))
);
```

```java
jPanel19Layout.setVerticalGroup(
    jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel19Layout.createSequentialGroup()
        .addGap(10, 10, 10)
        .addComponent(jLabel18)
        .addGap(33, 33, 33)
        .addComponent(jLabel19)
        .addGap(23, 23, 23)
        .addComponent(jLabelAp4))
    .addGroup(jPanel19Layout.createSequentialGroup()
        .addComponent(jScrollPane15,
            javax.swing.GroupLayout.PREFERRED_SIZE, 50,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(10, 10, 10)
        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(priceShowTextSoups,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(home_delv_soup))
        .addGap(13, 13, 13)
        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jScrollPane14,
                javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel19Layout.createSequentialGroup()
                .addGap(30, 30, 30)
                .addComponent(res_button_soup))))
    .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TF
        .addComponent(jPanel27, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jScrollPane13,
            javax.swing.GroupLayout.PREFERRED_SIZE, 180,
            javax.swing.GroupLayout.PREFERRED_SIZE))
);

jTabbedPane1.addTab("SOUPS", jPanel19);

jScrollPane16.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

ChickenTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
```

```java
        new String [] {
            "Title 1", "Title 2", "Title 3", "Title 4"
        }
    ));
    ChickenTable.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            ChickenTableMouseClicked(evt);
        }
    });
    jScrollPane16.setViewportView(ChickenTable);
    if (ChickenTable.getColumnModel().getColumnCount() > 0) {
        ChickenTable.getColumnModel().getColumn(3).setHeaderValue("Title
            4");
    }

    jLabelAp5.setText("Details");

    jLabel20.setText("Name");

    jLabel21.setText("Price");

    res_button_chick.setText("Reset");
    res_button_chick.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            res_button_chickMouseClicked(evt);
        }
    });

    home_del_chik.setText("Home Delevery");

    detailsShowTxtChicken.setColumns(20);
    detailsShowTxtChicken.setRows(5);
    jScrollPane17.setViewportView(detailsShowTxtChicken);

    NameShowTextChicken.setColumns(20);
    NameShowTextChicken.setRows(5);
    jScrollPane18.setViewportView(NameShowTextChicken);

    jPanel28.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
        java.awt.Color(0, 0, 0), 4), "Search by name",
        javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
        javax.swing.border.TitledBorder.DEFAULT_POSITION, new
        java.awt.Font("Dialog", 1, 12))); // NOI18N

    ChickensearchButton.setText("Search");
    ChickensearchButton.addMouseListener(new java.awt.event.MouseAdapter()
        {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            ChickensearchButtonMouseClicked(evt);
```

```
        }
    });
    ChickensearchButton.addActionListener(new
        java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            ChickensearchButtonActionPerformed(evt);
        }
    });

    chickenTextSh.setColumns(20);
    chickenTextSh.setRows(5);
    jScrollPane40.setViewportView(chickenTextSh);

    jScrollPane39.setViewportView(jScrollPane40);

    javax.swing.GroupLayout jPanel28Layout = new
        javax.swing.GroupLayout(jPanel28);
    jPanel28.setLayout(jPanel28Layout);
    jPanel28Layout.setHorizontalGroup(
        jPanel28Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel28Layout.createSequentialGroup()
            .addGap(71, 71, 71)
            .addComponent(checkenGetText,
                javax.swing.GroupLayout.PREFERRED_SIZE, 115,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(ChickensearchButton,
                javax.swing.GroupLayout.PREFERRED_SIZE, 72,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE))
        .addGroup(jPanel28Layout.createSequentialGroup()
            .addComponent(jScrollPane39)
            .addContainerGap())
    );
    jPanel28Layout.setVerticalGroup(
        jPanel28Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel28Layout.createSequentialGroup()
            .addGroup(jPanel28Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(checkenGetText,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(ChickensearchButton))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jScrollPane39,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel20Layout = new
    javax.swing.GroupLayout(jPanel20);
jPanel20.setLayout(jPanel20Layout);
jPanel20Layout.setHorizontalGroup(
    jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel20Layout.createSequentialGroup()
        .addComponent(jScrollPane16,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel20)
            .addComponent(jLabel21,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabelAp5,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)
        .addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jScrollPane18,
                javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel20Layout.createSequentialGroup()
                .addComponent(priceShowTextChicken,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(31, 31, 31)
                .addComponent(home_del_chik))
            .addGroup(jPanel20Layout.createSequentialGroup()
                .addComponent(jScrollPane17,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(40, 40, 40)
                .addComponent(res_button_chick)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel28, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
);
jPanel20Layout.setVerticalGroup(
    jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel20Layout.createSequentialGroup()
        .addGap(10, 10, 10)
```

```java
            .addComponent(jLabel20)
            .addGap(33, 33, 33)
            .addComponent(jLabel21)
            .addGap(23, 23, 23)
            .addComponent(jLabelAp5))
        .addGroup(jPanel20Layout.createSequentialGroup()
            .addComponent(jScrollPane18,
                javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
            .addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(priceShowTextChicken,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(home_del_chik))
            .addGap(13, 13, 13)
            .addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(jScrollPane17,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel20Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(res_button_chick))))
        .addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TF
            .addComponent(jPanel28, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jScrollPane16,
                javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                javax.swing.GroupLayout.PREFERRED_SIZE))
);

jTabbedPane1.addTab("CHICKENS", jPanel20);

jScrollPane19.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

PorkTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
```

```java
PorkTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        PorkTableMouseClicked(evt);
    }
});
jScrollPane19.setViewportView(PorkTable);
if (PorkTable.getColumnModel().getColumnCount() > 0) {
    PorkTable.getColumnModel().getColumn(3).setHeaderValue("Title 4");
}

jLabelAp6.setText("Details");

jLabel22.setText("Name");

jLabel23.setText("Price");

res_butt_pork.setText("Reset");
res_butt_pork.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        res_butt_porkMouseClicked(evt);
    }
});

home_delv_pork.setText("Home Delevery");

detailsShowTxtPork.setColumns(20);
detailsShowTxtPork.setRows(5);
jScrollPane20.setViewportView(detailsShowTxtPork);

NameShowTextPork.setColumns(20);
NameShowTextPork.setRows(5);
jScrollPane21.setViewportView(NameShowTextPork);

jPanel29.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Search by name",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 12))); // NOI18N

porkSearchButton.setText("Search");
porkSearchButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        porkSearchButtonMouseClicked(evt);
    }
});
porkSearchButton.addActionListener(new java.awt.event.ActionListener()
    {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        porkSearchButtonActionPerformed(evt);
```

```java
    }
});

porkGetTSh.setColumns(20);
porkGetTSh.setRows(5);
jScrollPane42.setViewportView(porkGetTSh);


jScrollPane41.setViewportView(jScrollPane42);


javax.swing.GroupLayout jPanel29Layout = new
    javax.swing.GroupLayout(jPanel29);
jPanel29.setLayout(jPanel29Layout);
jPanel29Layout.setHorizontalGroup(
    jPanel29Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel29Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(porkGetT, javax.swing.GroupLayout.PREFERRED_SIZE,
            115, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(porkSearchButton,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel29Layout.createSequentialGroup()
        .addComponent(jScrollPane41)
        .addContainerGap())
);
jPanel29Layout.setVerticalGroup(
    jPanel29Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel29Layout.createSequentialGroup()
        .addGroup(jPanel29Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(porkGetT,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(porkSearchButton))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane41,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel21Layout = new
    javax.swing.GroupLayout(jPanel21);
jPanel21.setLayout(jPanel21Layout);
jPanel21Layout.setHorizontalGroup(
```

```
                jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel21Layout.createSequentialGroup()
                    .addComponent(jScrollPane19,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 460,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                        .addComponent(jLabel22)
                        .addComponent(jLabel23,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabelAp6,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(23, 23, 23)
                    .addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                        .addComponent(jScrollPane21,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel21Layout.createSequentialGroup()
                            .addComponent(priceShowTextPork,
                                javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(31, 31, 31)
                            .addComponent(home_delv_pork))
                        .addGroup(jPanel21Layout.createSequentialGroup()
                            .addComponent(jScrollPane20,
                                javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(40, 40, 40)
                            .addComponent(res_butt_pork)))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jPanel29, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
        );
        jPanel21Layout.setVerticalGroup(
            jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel21Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jLabel22)
                .addGap(33, 33, 33)
                .addComponent(jLabel23)
                .addGap(23, 23, 23)
                .addComponent(jLabelAp6))
            .addGroup(jPanel21Layout.createSequentialGroup()
                .addComponent(jScrollPane21,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addGap(10, 10, 10)
                .addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(priceShowTextPork,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(home_delv_pork))
                .addGap(13, 13, 13)
                .addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(jScrollPane20,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel21Layout.createSequentialGroup()
                        .addGap(30, 30, 30)
                        .addComponent(res_butt_pork))))
            .addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TF
                .addComponent(jPanel29, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jScrollPane19,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
);


jTabbedPane1.addTab("PORKS", jPanel21);

jScrollPane22.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

Beef_lambTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
Beef_lambTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Beef_lambTableMouseClicked(evt);
    }
});
jScrollPane22.setViewportView(Beef_lambTable);
if (Beef_lambTable.getColumnModel().getColumnCount() > 0) {
    Beef_lambTable.getColumnModel().getColumn(3).setHeaderValue("Title
        4");
```

```java
        }

        jLabelAp7.setText("Details");

        jLabel24.setText("Name");

        jLabel25.setText("Price");

        res_button_beef.setText("Reset");
        res_button_beef.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                res_button_beefMouseClicked(evt);
            }
        });

        home_delv_beef.setText("Home Delevery");

        detailsShowTxtBeefLamb.setColumns(20);
        detailsShowTxtBeefLamb.setRows(5);
        jScrollPane23.setViewportView(detailsShowTxtBeefLamb);

        NameShowTextBeefLamb.setColumns(20);
        NameShowTextBeefLamb.setRows(5);
        jScrollPane24.setViewportView(NameShowTextBeefLamb);

        jPanel30.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
            java.awt.Color(0, 0, 0), 4), "Search by name",
            javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
            javax.swing.border.TitledBorder.DEFAULT_POSITION, new
            java.awt.Font("Dialog", 1, 12))); // NOI18N

        beefSearchButton.setText("Search");
        beefSearchButton.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                beefSearchButtonMouseClicked(evt);
            }
        });
        beefSearchButton.addActionListener(new java.awt.event.ActionListener()
            {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                beefSearchButtonActionPerformed(evt);
            }
        });

        beefTextShw.setColumns(20);
        beefTextShw.setRows(5);
        jScrollPane44.setViewportView(beefTextShw);

        jScrollPane43.setViewportView(jScrollPane44);
```

```java
javax.swing.GroupLayout jPanel30Layout = new
    javax.swing.GroupLayout(jPanel30);
jPanel30.setLayout(jPanel30Layout);
jPanel30Layout.setHorizontalGroup(
    jPanel30Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel30Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(beefText, javax.swing.GroupLayout.PREFERRED_SIZE,
            115, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(beefSearchButton,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel30Layout.createSequentialGroup()
        .addComponent(jScrollPane43)
        .addContainerGap())
);
jPanel30Layout.setVerticalGroup(
    jPanel30Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel30Layout.createSequentialGroup()
        .addGroup(jPanel30Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(beefText,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(beefSearchButton))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane43,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel22Layout = new
    javax.swing.GroupLayout(jPanel22);
jPanel22.setLayout(jPanel22Layout);
jPanel22Layout.setHorizontalGroup(
    jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel22Layout.createSequentialGroup()
        .addComponent(jScrollPane22,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel24)
```

```
                    .addComponent(jLabel25,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabelAp7,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(23, 23, 23)
                .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(jScrollPane24,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel22Layout.createSequentialGroup()
                        .addComponent(priceShowTextBeefLamb,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(31, 31, 31)
                        .addComponent(home_delv_beef))
                    .addGroup(jPanel22Layout.createSequentialGroup()
                        .addComponent(jScrollPane23,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(40, 40, 40)
                        .addComponent(res_button_beef)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel30, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );
        jPanel22Layout.setVerticalGroup(
            jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel22Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jLabel24)
                .addGap(33, 33, 33)
                .addComponent(jLabel25)
                .addGap(23, 23, 23)
                .addComponent(jLabelAp7))
            .addGroup(jPanel22Layout.createSequentialGroup()
                .addComponent(jScrollPane24,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(priceShowTextBeefLamb,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addComponent(home_delv_beef))
            .addGap(13, 13, 13)
            .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(jScrollPane23,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel22Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(res_button_beef))))
        .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TF
            .addComponent(jPanel30, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jScrollPane22,
                javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                javax.swing.GroupLayout.PREFERRED_SIZE))
);

jTabbedPane1.addTab("BEEF & LAMB", jPanel22);

jScrollPane25.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

SeaFoodTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
SeaFoodTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SeaFoodTableMouseClicked(evt);
    }
});
jScrollPane25.setViewportView(SeaFoodTable);
if (SeaFoodTable.getColumnModel().getColumnCount() > 0) {
    SeaFoodTable.getColumnModel().getColumn(3).setHeaderValue("Title
        4");
}

jLabelAp8.setText("Details");

jLabel26.setText("Name");
```

```java
        jLabel27.setText("Price");

        res_button_sea.setText("Reset");
        res_button_sea.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                res_button_seaMouseClicked(evt);
            }
        });

        home_delv_sea.setText("Home Delevery");

        detailsShowTxtSeaFood.setColumns(20);
        detailsShowTxtSeaFood.setRows(5);
        jScrollPane26.setViewportView(detailsShowTxtSeaFood);

        NameShowTextSeaFood.setColumns(20);
        NameShowTextSeaFood.setRows(5);
        jScrollPane27.setViewportView(NameShowTextSeaFood);

        jPanel31.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
            java.awt.Color(0, 0, 0), 4), "Search by name",
            javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
            javax.swing.border.TitledBorder.DEFAULT_POSITION, new
            java.awt.Font("Dialog", 1, 12))); // NOI18N

        seaSearchButton.setText("Search");
        seaSearchButton.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                seaSearchButtonMouseClicked(evt);
            }
        });
        seaSearchButton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                seaSearchButtonActionPerformed(evt);
            }
        });

        seaTextShow.setColumns(20);
        seaTextShow.setRows(5);
        jScrollPane46.setViewportView(seaTextShow);

        jScrollPane45.setViewportView(jScrollPane46);

        javax.swing.GroupLayout jPanel31Layout = new
            javax.swing.GroupLayout(jPanel31);
        jPanel31.setLayout(jPanel31Layout);
        jPanel31Layout.setHorizontalGroup(
            jPanel31Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel31Layout.createSequentialGroup()
```

```java
                .addGap(71, 71, 71)
                .addComponent(seaText, javax.swing.GroupLayout.PREFERRED_SIZE,
                    115, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(seaSearchButton,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 72,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
        .addGroup(jPanel31Layout.createSequentialGroup()
            .addComponent(jScrollPane45)
            .addContainerGap())
);
jPanel31Layout.setVerticalGroup(
    jPanel31Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel31Layout.createSequentialGroup()
        .addGroup(jPanel31Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(seaText,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(seaSearchButton))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane45,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel23Layout = new
    javax.swing.GroupLayout(jPanel23);
jPanel23.setLayout(jPanel23Layout);
jPanel23Layout.setHorizontalGroup(
    jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel23Layout.createSequentialGroup()
        .addComponent(jScrollPane25,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel26)
            .addComponent(jLabel27,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabelAp8,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)
```

```
            .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(jScrollPane27,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel23Layout.createSequentialGroup()
                    .addComponent(priceShowTextSeaFood,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(31, 31, 31)
                    .addComponent(home_delv_sea))
                .addGroup(jPanel23Layout.createSequentialGroup()
                    .addComponent(jScrollPane26,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(40, 40, 40)
                    .addComponent(res_button_sea)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel31, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
    );
    jPanel23Layout.setVerticalGroup(
        jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane25,
            javax.swing.GroupLayout.PREFERRED_SIZE, 180,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel23Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel26)
            .addGap(33, 33, 33)
            .addComponent(jLabel27)
            .addGap(23, 23, 23)
            .addComponent(jLabelAp8))
        .addGroup(jPanel23Layout.createSequentialGroup()
            .addComponent(jScrollPane27,
                javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
            .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(priceShowTextSeaFood,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(home_delv_sea))
            .addGap(13, 13, 13)
            .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
```

```java
                .addComponent(jScrollPane26,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel23Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(res_button_sea))))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
            jPanel23Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel31, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
);

jTabbedPane1.addTab("SEAFOODS", jPanel23);

jScrollPane28.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

NoddlesTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
NoddlesTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        NoddlesTableMouseClicked(evt);
    }
});
jScrollPane28.setViewportView(NoddlesTable);
if (NoddlesTable.getColumnModel().getColumnCount() > 0) {
    NoddlesTable.getColumnModel().getColumn(3).setHeaderValue("Title
        4");
}

jLabelAp9.setText("Details");

jLabel28.setText("Name");

jLabel29.setText("Price");

res_button_nodd.setText("Reset");
```

```java
res_button_nodd.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        res_button_noddMouseClicked(evt);
    }
});

home_delv_nodd.setText("Home Delevery");

detailsShowTxtNoddlesRice.setColumns(20);
detailsShowTxtNoddlesRice.setRows(5);
jScrollPane29.setViewportView(detailsShowTxtNoddlesRice);

NameShowTextNoddlesRice.setColumns(20);
NameShowTextNoddlesRice.setRows(5);
jScrollPane30.setViewportView(NameShowTextNoddlesRice);

jPanel32.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Search by name",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 12))); // NOI18N

nodSearchButton.setText("Search");
nodSearchButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        nodSearchButtonMouseClicked(evt);
    }
});
nodSearchButton.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nodSearchButtonActionPerformed(evt);
    }
});

nodTextShow.setColumns(20);
nodTextShow.setRows(5);
jScrollPane48.setViewportView(nodTextShow);

jScrollPane47.setViewportView(jScrollPane48);

javax.swing.GroupLayout jPanel32Layout = new
    javax.swing.GroupLayout(jPanel32);
jPanel32.setLayout(jPanel32Layout);
jPanel32Layout.setHorizontalGroup(
    jPanel32Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel32Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(nodText, javax.swing.GroupLayout.PREFERRED_SIZE,
            115, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
        .addComponent(nodSearchButton,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel32Layout.createSequentialGroup()
        .addComponent(jScrollPane47)
        .addContainerGap())
);
jPanel32Layout.setVerticalGroup(
    jPanel32Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel32Layout.createSequentialGroup()
        .addGroup(jPanel32Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(nodText,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(nodSearchButton))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane47,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 19, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel24Layout = new
    javax.swing.GroupLayout(jPanel24);
jPanel24.setLayout(jPanel24Layout);
jPanel24Layout.setHorizontalGroup(
    jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel24Layout.createSequentialGroup()
        .addComponent(jScrollPane28,
            javax.swing.GroupLayout.PREFERRED_SIZE, 460,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jLabel28)
            .addComponent(jLabel29,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabelAp9,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)
        .addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(jScrollPane30,
                javax.swing.GroupLayout.PREFERRED_SIZE, 120,
```

```
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel24Layout.createSequentialGroup()
                    .addComponent(priceShowTextNoddlesRice,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(31, 31, 31)
                    .addComponent(home_delv_nodd))
                .addGroup(jPanel24Layout.createSequentialGroup()
                    .addComponent(jScrollPane29,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(40, 40, 40)
                    .addComponent(res_button_nodd)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel32, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
    );
    jPanel24Layout.setVerticalGroup(
        jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel24Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel28)
            .addGap(33, 33, 33)
            .addComponent(jLabel29)
            .addGap(23, 23, 23)
            .addComponent(jLabelAp9))
        .addGroup(jPanel24Layout.createSequentialGroup()
            .addComponent(jScrollPane30,
                javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
            .addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(priceShowTextNoddlesRice,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(home_delv_nodd))
            .addGap(13, 13, 13)
            .addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(jScrollPane29,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel24Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(res_button_nodd))))
        .addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TF
            .addComponent(jPanel32, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
```

```java
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jScrollPane28,
                javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                javax.swing.GroupLayout.PREFERRED_SIZE))
);

jTabbedPane1.addTab("NOODLES & RICE", jPanel24);

jScrollPane31.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(20, 224, 240), 2, true));

VegeTables.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
VegeTables.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        VegeTablesMouseClicked(evt);
    }
});
jScrollPane31.setViewportView(VegeTables);
if (VegeTables.getColumnModel().getColumnCount() > 0) {
    VegeTables.getColumnModel().getColumn(3).setHeaderValue("Title 4");
}

jLabelAp10.setText("Details");

jLabel30.setText("Name");

jLabel31.setText("Price");

res_button_vege.setText("Reset");
res_button_vege.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        res_button_vegeMouseClicked(evt);
    }
});

home_delv_vege.setText("Home Delevery");

detailsShowTxtvege.setColumns(20);
detailsShowTxtvege.setRows(5);
```

```java
jScrollPane32.setViewportView(detailsShowTxtvege);

NameShowTextvege.setColumns(20);
NameShowTextvege.setRows(5);
jScrollPane33.setViewportView(NameShowTextvege);

jPanel11.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Search by name",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 12))); // NOI18N

SearchButtonInClientForVEGe.setText("Search");
SearchButtonInClientForVEGe.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SearchButtonInClientForVEGeMouseClicked(evt);
    }
});
SearchButtonInClientForVEGe.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SearchButtonInClientForVEGeActionPerformed(evt);
    }
});

vegeGetTextForShow.setColumns(20);
vegeGetTextForShow.setRows(5);
jScrollPane4.setViewportView(vegeGetTextForShow);

jScrollPane3.setViewportView(jScrollPane4);

javax.swing.GroupLayout jPanel11Layout = new
    javax.swing.GroupLayout(jPanel11);
jPanel11.setLayout(jPanel11Layout);
jPanel11Layout.setHorizontalGroup(
    jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel11Layout.createSequentialGroup()
        .addGap(71, 71, 71)
        .addComponent(vegeGetText,
            javax.swing.GroupLayout.PREFERRED_SIZE, 115,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(SearchButtonInClientForVEGe,
            javax.swing.GroupLayout.PREFERRED_SIZE, 72,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel11Layout.createSequentialGroup()
```

```java
                .addComponent(jScrollPane3)
                .addContainerGap())
        );
        jPanel11Layout.setVerticalGroup(
            jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel11Layout.createSequentialGroup()
                .addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(vegeGetText,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(SearchButtonInClientForVEGe))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jScrollPane3,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 19, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout jPanel25Layout = new
            javax.swing.GroupLayout(jPanel25);
        jPanel25.setLayout(jPanel25Layout);
        jPanel25Layout.setHorizontalGroup(
            jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel25Layout.createSequentialGroup()
                .addComponent(jScrollPane31,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 460,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(jLabel30)
                    .addComponent(jLabel31,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabelAp10,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(23, 23, 23)
                .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addComponent(jScrollPane33,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel25Layout.createSequentialGroup()
                        .addComponent(priceShowTextvege,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(31, 31, 31)
                        .addComponent(home_delv_vege))
```

74

```
                    .addGroup(jPanel25Layout.createSequentialGroup()
                        .addComponent(jScrollPane32,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(40, 40, 40)
                        .addComponent(res_button_vege)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel11, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
    );
    jPanel25Layout.setVerticalGroup(
        jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel25Layout.createSequentialGroup()
            .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                .addComponent(jPanel11,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Align
                    .addComponent(jScrollPane31,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 180,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel25Layout.createSequentialGroup()
                        .addGap(10, 10, 10)
                        .addComponent(jLabel30)
                        .addGap(33, 33, 33)
                        .addComponent(jLabel31)
                        .addGap(23, 23, 23)
                        .addComponent(jLabelAp10))
                    .addGroup(jPanel25Layout.createSequentialGroup()
                        .addComponent(jScrollPane33,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 50,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(10, 10, 10)
                        .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayo
                            .addComponent(priceShowTextvege,
                                javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(home_delv_vege))
                        .addGap(13, 13, 13)
                        .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayo
                            .addComponent(jScrollPane32,
                                javax.swing.GroupLayout.PREFERRED_SIZE, 70,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel25Layout.createSequentialGroup()
```

```
                                .addGap(30, 30, 30)
                                .addComponent(res_button_vege))))))
        .addGap(29, 29, 29))
);

jTabbedPane1.addTab("VEGETABLES & TOFU", jPanel25);

jPanel1.add(jTabbedPane1, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1156, 237));

jPanel9.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(0, 0, 0), 4, true));

jLabel9.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel9.setText("Total");

jLabel11.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel11.setText("Vefetable & tofu");

jLabel12.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel12.setText("Beef & Lamb");

jLabel13.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel13.setText("Seafood");

jLabel32.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel32.setText("Noddles & rice");

javax.swing.GroupLayout jPanel9Layout = new
    javax.swing.GroupLayout(jPanel9);
jPanel9.setLayout(jPanel9Layout);
jPanel9Layout.setHorizontalGroup(
    jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel9Layout.createSequentialGroup()
        .addGap(12, 12, 12)
        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            false)
            .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(jLabel32)
                .addGap(39, 39, 39)
                .addComponent(totaNodd))
            .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(jLabel11)
                .addGap(21, 21, 21)
                .addComponent(totaVege,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 58,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(jLabel9)
```

```
                        .addGap(107, 107, 107)
                        .addComponent(tota,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 58,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel9Layout.createSequentialGroup()
                        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Al
                            .addComponent(jLabel12)
                            .addComponent(jLabel13))
                        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Al
                            .addGroup(jPanel9Layout.createSequentialGroup()
                                .addGap(50, 50, 50)
                                .addComponent(totaBeef,
                                    javax.swing.GroupLayout.PREFERRED_SIZE, 61,
                                    javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel9Layout.createSequentialGroup()
                                .addGap(53, 53, 53)
                                .addComponent(totaSea,
                                    javax.swing.GroupLayout.PREFERRED_SIZE, 58,
                                    javax.swing.GroupLayout.PREFERRED_SIZE))))))
);
jPanel9Layout.setVerticalGroup(
    jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel9Layout.createSequentialGroup()
        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel9Layout.createSequentialGroup()
                .addGap(1, 1, 1)
                .addComponent(jLabel12))
            .addComponent(totaBeef,
                javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)
        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel13)
            .addComponent(totaSea,
                javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(14, 14, 14)
        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel32)
            .addComponent(totaNodd,
                javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(16, 16, 16)
        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel11)
            .addComponent(totaVege,
                javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)
```

77

```java
                .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    .addGroup(jPanel9Layout.createSequentialGroup()
                        .addGap(1, 1, 1)
                        .addComponent(jLabel9))
                    .addComponent(tota, javax.swing.GroupLayout.PREFERRED_SIZE,
                        21, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
);

jPanel1.add(jPanel9, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(806, 309, -1, 160));

activeUserJlabel.setBackground(new java.awt.Color(13, 37, 251));
activeUserJlabel.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
activeUserJlabel.setForeground(new java.awt.Color(19, 25, 238));
activeUserJlabel.setText("Active user");
jPanel1.add(activeUserJlabel, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1156, 12, 90, 30));

jTabbedPane2.setBorder(javax.swing.BorderFactory.createLineBorder(new
    java.awt.Color(0, 0, 0), 4));

ThirtyP.setText("30%");

SixTyP.setText("60%");

NineTyP.setText("90%");

HundredP.setText("100%");

javax.swing.GroupLayout jPanel5Layout = new
    javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel5Layout.createSequentialGroup()
        .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(ThirtyP)
            .addComponent(SixTyP)
            .addComponent(HundredP,
                javax.swing.GroupLayout.PREFERRED_SIZE, 76,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(NineTyP))
        .addGap(0, 125, Short.MAX_VALUE))
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel5Layout.createSequentialGroup()
```

```
        .addComponent(ThirtyP)
        .addGap(2, 2, 2)
        .addComponent(SixTyP)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(NineTyP)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(HundredP)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jTabbedPane2.addTab("Score", jPanel5);

jLabel2.setText("Write");

javax.swing.GroupLayout jPanel6Layout = new
    javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel6Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(editTextComments,
            javax.swing.GroupLayout.DEFAULT_SIZE, 128, Short.MAX_VALUE)
        .addContainerGap())
);
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel6Layout.createSequentialGroup()
        .addGap(29, 29, 29)
        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(editTextComments,
                javax.swing.GroupLayout.PREFERRED_SIZE, 53,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jTabbedPane2.addTab("Comments", jPanel6);

jPanel1.add(jTabbedPane2, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1040, 300, -1, 150));

personalInfo.setBackground(new java.awt.Color(13, 37, 251));
personalInfo.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
```

```java
personalInfo.setForeground(new java.awt.Color(19, 25, 238));
personalInfo.setText("Personal info");
personalInfo.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        personalInfoMouseClicked(evt);
    }
});
jPanel1.add(personalInfo, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1160, 70, 96, 30));

jLabel1.setFont(new java.awt.Font("Ubuntu", 1, 12)); // NOI18N
jLabel1.setText("Enter cousions name for score & comment");
jPanel1.add(jLabel1, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1000, 250, -1, -1));
jPanel1.add(editTextForCousionsNameSC, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1060, 270, 150, -1));

buttonSubmitSC.setFont(new java.awt.Font("Ubuntu", 0, 12)); // NOI18N
buttonSubmitSC.setText("Submit");
buttonSubmitSC.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        buttonSubmitSCMouseClicked(evt);
    }
});
jPanel1.add(buttonSubmitSC, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1180, 450, -1, 20));

ScrollPaneForOrdLisTable1.setBorder(javax.swing.BorderFactory.createTitledBorder(jav
    java.awt.Color(0, 0, 0), 4), "Top Foods",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 16))); // NOI18N

topFoodsTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null},
        {null, null},
        {null, null},
        {null, null}
    },
    new String [] {
        "Title 1", "Title 2"
    }
));
ScrollPaneForOrdLisTable1.setViewportView(topFoodsTable);

jPanel1.add(ScrollPaneForOrdLisTable1, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(310, 290, 250, 180));
```

```java
rewardPointLabel.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
rewardPointLabel.setForeground(new java.awt.Color(16, 25, 250));
rewardPointLabel.setText("reward p");
jPanel1.add(rewardPointLabel, new
    org.netbeans.lib.awtextra.AbsoluteConstraints(1160, 40, -1, -1));

Admin.addTab("Client", jPanel1);

jPanel13.setBorder(new javax.swing.border.LineBorder(new
    java.awt.Color(0, 0, 0), 4, true));

SignInButtonForAdmin.setText("Sign in");
SignInButtonForAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignInButtonForAdminMouseClicked(evt);
    }
});

SignUpButtonForAdmin.setText("Sign up");
SignUpButtonForAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignUpButtonForAdminMouseClicked(evt);
    }
});

SignOutButtonForAdmin.setText("Sign out");
SignOutButtonForAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SignOutButtonForAdminMouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel13Layout = new
    javax.swing.GroupLayout(jPanel13);
jPanel13.setLayout(jPanel13Layout);
jPanel13Layout.setHorizontalGroup(
    jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel13Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(SignUpButtonForAdmin)
        .addGap(83, 83, 83)
        .addComponent(SignInButtonForAdmin)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
    .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
```

```java
            .addGroup(jPanel13Layout.createSequentialGroup()
                .addGap(81, 81, 81)
                .addComponent(SignOutButtonForAdmin)
                .addContainerGap(76, Short.MAX_VALUE)))
);
jPanel13Layout.setVerticalGroup(
    jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel13Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE)
        .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(SignInButtonForAdmin)
            .addComponent(SignUpButtonForAdmin))
        .addContainerGap())
    .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
        .addGroup(jPanel13Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(SignOutButtonForAdmin)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)))
);

ScrollPaneForOrdLisTable.setBorder(javax.swing.BorderFactory.createTitledBorder(java
    java.awt.Color(0, 0, 0), 4), "Order list",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 16))); // NOI18N

TableForShowOrderList.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
TableForShowOrderList.setEnabled(false);
ScrollPaneForOrdLisTable.setViewportView(TableForShowOrderList);

jPanel16.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFa
    java.awt.Color(0, 0, 0), 4), "Add foods",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Dialog", 1, 12)))); // NOI18N
```

```java
addAppetizersButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); //
    NOI18N
addAppetizersButton.setText("APPETIZERS");
addAppetizersButton.addMouseListener(new java.awt.event.MouseAdapter()
    {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addAppetizersButtonMouseClicked(evt);
    }
});

addDrinksButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
addDrinksButton.setText("SALADS");
addDrinksButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addDrinksButtonMouseClicked(evt);
    }
});

SoupsAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
SoupsAddButton.setText("SOUPS");
SoupsAddButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SoupsAddButtonMouseClicked(evt);
    }
});

ChickenAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
ChickenAddButton.setText("CHICKEN");
ChickenAddButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ChickenAddButtonMouseClicked(evt);
    }
});

PorkAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
PorkAddButton.setText("PORK");
PorkAddButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        PorkAddButtonMouseClicked(evt);
    }
});

Beef_LambAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); //
    NOI18N
Beef_LambAddButton.setText("BEEF & LAMB");
Beef_LambAddButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Beef_LambAddButtonMouseClicked(evt);
    }
```

```java
        });

        SeaFoodAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
        SeaFoodAddButton.setText("SEAFOOD");
        SeaFoodAddButton.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SeaFoodAddButtonMouseClicked(evt);
            }
        });

        Noddles_RiceAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15)); //
            NOI18N
        Noddles_RiceAddButton.setText("NOODLES & RICE");
        Noddles_RiceAddButton.addMouseListener(new
            java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                Noddles_RiceAddButtonMouseClicked(evt);
            }
        });

        Vegetables_tofuAddButton.setFont(new java.awt.Font("Ubuntu", 1, 15));
            // NOI18N
        Vegetables_tofuAddButton.setText("VEGETABLES & TOFU ");
        Vegetables_tofuAddButton.addMouseListener(new
            java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                Vegetables_tofuAddButtonMouseClicked(evt);
            }
        });

        javax.swing.GroupLayout jPanel16Layout = new
            javax.swing.GroupLayout(jPanel16);
        jPanel16.setLayout(jPanel16Layout);
        jPanel16Layout.setHorizontalGroup(
            jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel16Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
                    .addGroup(jPanel16Layout.createSequentialGroup()
                        .addComponent(addAppetizersButton)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(addDrinksButton)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(SoupsAddButton)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(ChickenAddButton)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(PorkAddButton))
                    .addGroup(jPanel16Layout.createSequentialGroup()
```

```java
                .addComponent(Beef_LambAddButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(SeaFoodAddButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(Noddles_RiceAddButton))
            .addComponent(Vegetables_tofuAddButton))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel16Layout.setVerticalGroup(
    jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel16Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(addAppetizersButton)
            .addComponent(addDrinksButton)
            .addComponent(SoupsAddButton)
            .addComponent(ChickenAddButton)
            .addComponent(PorkAddButton))
        .addGap(18, 18, 18)
        .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
            .addComponent(Beef_LambAddButton)
            .addComponent(SeaFoodAddButton)
            .addComponent(Noddles_RiceAddButton))
        .addGap(18, 18, 18)
        .addComponent(Vegetables_tofuAddButton)
        .addContainerGap(91, Short.MAX_VALUE))
);

activeAdminJlabel.setFont(new java.awt.Font("Ubuntu", 1, 15)); //
    NOI18N
activeAdminJlabel.setForeground(new java.awt.Color(18, 37, 249));
activeAdminJlabel.setText("Active user");

personalInfoForAdmin.setBackground(new java.awt.Color(13, 37, 251));
personalInfoForAdmin.setFont(new java.awt.Font("Ubuntu", 1, 15)); //
    NOI18N
personalInfoForAdmin.setForeground(new java.awt.Color(19, 25, 238));
personalInfoForAdmin.setText("Personal info");
personalInfoForAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        personalInfoForAdminMouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new
    javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
```

```
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(ScrollPaneForOrdLisTable,
                javax.swing.GroupLayout.PREFERRED_SIZE, 529,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel13,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    290, Short.MAX_VALUE)
                .addComponent(jPanel16,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE)
                .addContainerGap())
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel4Layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE)
                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                        jPanel4Layout.createSequentialGroup()
                        .addComponent(activeAdminJlabel)
                        .addGap(33, 33, 33))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                        jPanel4Layout.createSequentialGroup()
                        .addComponent(personalInfoForAdmin,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 104,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addContainerGap()))))))
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel4Layout.createSequentialGroup()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(24, 24, 24)
                .addComponent(activeAdminJlabel)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(personalInfoForAdmin,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30,
```

```java
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(126, 126, 126)
                .addComponent(jPanel16,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addComponent(ScrollPaneForOrdLisTable,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 0,
                    Short.MAX_VALUE)
                .addGap(18, 18, 18)
                .addComponent(jPanel13,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap())
);

Admin.addTab("Admin", jPanel4);

javax.swing.GroupLayout jPanel8Layout = new
    javax.swing.GroupLayout(jPanel8);
jPanel8.setLayout(jPanel8Layout);
jPanel8Layout.setHorizontalGroup(
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel8Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(Admin, javax.swing.GroupLayout.PREFERRED_SIZE,
            1270, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel8Layout.setVerticalGroup(
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(Admin, javax.swing.GroupLayout.Alignment.TRAILING)
);

jLabel3.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel3.setText("Asian Resturent management system");

javax.swing.GroupLayout layout = new
    javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
```

```java
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    layout.createSequentialGroup()
                    .addComponent(jLabel3,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 334,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(444, 444, 444))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    layout.createSequentialGroup()
                    .addComponent(jPanel8,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(2, 2, 2))))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(6, 6, 6)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPanel8, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

    pack();
}// </editor-fold>

private void SignOutButtonForAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    if (!currentAdmin.equals("")) {
        SignOutForAdmin.logOutStatusUpdate(currentAdmin);
        JOptionPane.showMessageDialog(rootPane, "Successfully sign out");
        ScrollPaneForOrdLisTable.setVisible(false);
        setActiveAdmin();
    } else {
        JOptionPane.showMessageDialog(rootPane, "Not You are sign in !");
    }
}

private void SignUpButtonForAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    SignUpClassForAdmin signUp = new SignUpClassForAdmin();
    signUp.setVisible(true);
    signUp.setLocationRelativeTo(null);
    signUp.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}
```

```java
private void SignInButtonForAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    SignInClassForAdmin loginForm = new SignInClassForAdmin();
    loginForm.setVisible(true);
    loginForm.setLocationRelativeTo(null);
    loginForm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}


private void addAppetizersButtonMouseClicked(java.awt.event.MouseEvent
    evt) {
    Appetizers addls = new Appetizers();
    addls.setVisible(true);
    addls.setLocationRelativeTo(null);
    addls.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}


private void addDrinksButtonMouseClicked(java.awt.event.MouseEvent evt) {
    Salads addD = new Salads();
    addD.setVisible(true);
    addD.setLocationRelativeTo(null);
    addD.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}
private float totApptizers = 0;
private float totSalad = 0;
private float totSoups = 0;
private float totChicken = 0;
private float totPork = 0;
private float totBeef = 0;
private float totSea = 0;
private float totNodd = 0;
private float totVege = 0;
private void SoupsAddButtonMouseClicked(java.awt.event.MouseEvent evt) {
    Soups soups = new Soups();
    soups.setVisible(true);
    soups.setLocationRelativeTo(null);
    soups.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}


private void ChickenAddButtonMouseClicked(java.awt.event.MouseEvent evt) {
    Chicken chicken = new Chicken();
    chicken.setVisible(true);
    chicken.setLocationRelativeTo(null);
    chicken.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}
```

```java
private void PorkAddButtonMouseClicked(java.awt.event.MouseEvent evt) {
    Pork pork = new Pork();
    pork.setVisible(true);
    pork.setLocationRelativeTo(null);
    pork.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void Beef_LambAddButtonMouseClicked(java.awt.event.MouseEvent evt)
    {
    BeefLamb beefLamb = new BeefLamb();
    beefLamb.setVisible(true);
    beefLamb.setLocationRelativeTo(null);
    beefLamb.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void SeaFoodAddButtonMouseClicked(java.awt.event.MouseEvent evt) {
    SeaFood seaFood = new SeaFood();
    seaFood.setVisible(true);
    seaFood.setLocationRelativeTo(null);
    seaFood.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void Noddles_RiceAddButtonMouseClicked(java.awt.event.MouseEvent
    evt) {
    NoddlesRice nodRice = new NoddlesRice();
    nodRice.setVisible(true);
    nodRice.setLocationRelativeTo(null);
    nodRice.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void
    Vegetables_tofuAddButtonMouseClicked(java.awt.event.MouseEvent evt) {
    VegeTofu vegeTofu = new VegeTofu();
    vegeTofu.setVisible(true);
    vegeTofu.setLocationRelativeTo(null);
    vegeTofu.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void
    SearchButtonInClientForVEGeActionPerformed(java.awt.event.ActionEvent
    evt) {
    // TODO add your handling code here:
}
```

```java
private void
    SearchButtonInClientForVEGeMouseClicked(java.awt.event.MouseEvent evt)
    {
    // search button clicked
    String nameInfo = vegeGetText.getText().toString();

    if (!nameInfo.equals("")) {
        String query = "SELECT vt_name, vt_price from VegeTofu WHERE
            vt_name LIKE '%" + nameInfo + "%' or vt_price LIKE '%" +
            nameInfo + "%'";
        String clm1 = "vt_name", clm2 = "vt_price";
        ArrayList<SearhingInformation> info = new
            SearchFoodInClientModeVege().findFood(query, clm1, clm2);

        if (info.size() == 0) {
            //System.out.println("Hello vai");
            ArrayList<SearhingInformation> info1 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info1.size());

            if (info1 != null) {
                for (int i = 0; i < info1.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str8.append(info1.get(i).getName() + "\n");
                }
                vegeGetTextForShow.setText(str8.toString());
                vegeGetText.setText("");
            }
        }

        for (int i = 0; i < info.size(); i++) {
            vegeGetTextForShow.setText(info.get(i).getName() + " " +
                info.get(i).getPrice() + "$");
            vegeGetText.setText("");
        }

    } else {
        vegeGetText.setText("");
        vegeGetText.requestFocus();
    }
}

private void res_button_vegeMouseClicked(java.awt.event.MouseEvent evt) {
    VegeTables.getSelectionModel().clearSelection();
    home_delv_vege.setSelected(false);
    totVege = 0;
    totaVege.setText(Float.toString(totVege));
    for (int x = 0, y = VegeTables.getRowCount(); x < y; x++) {
```

```java
            VegeTables.setValueAt(new Boolean(false), x, 0);
        }
    }
//private boolean vegeCheck = true;
    private void VegeTablesMouseClicked(java.awt.event.MouseEvent evt) {
        DefaultTableModel model = (DefaultTableModel) VegeTables.getModel();
        int index = VegeTables.getSelectedRow();
        NameShowTextvege.setText(model.getValueAt(index, 1).toString());
        NameShowTextvege.setLineWrap(true);
        priceShowTextvege.setText(model.getValueAt(index, 2).toString());
        detailsShowTxtvege.setText(model.getValueAt(index, 3).toString());
        detailsShowTxtvege.setLineWrap(true);

        Boolean checked = Boolean.valueOf(model.getValueAt(index,
            0).toString());
        float price = Float.parseFloat(model.getValueAt(index, 2).toString());
        if (checked && VegeTables.columnAtPoint(evt.getPoint()) == 0) {
            totVege += price;
            meName.append(model.getValueAt(index, 1).toString());
            totaVege.setText(Float.toString(totVege));
        } else if(!checked && VegeTables.columnAtPoint(evt.getPoint()) == 0){

            totVege -= price;
            int i = meName.indexOf(model.getValueAt(index, 1).toString());
            if (i != -1) {
                meName.delete(i, i + model.getValueAt(index,
                    1).toString().length());
            }
            if (totVege < 0) {
                totVege = 0;
            }
            //TotaSup.setText(Float.toString(totSoups));
            totaVege.setText(Float.toString(totChicken));
        }

    }


    private void nodSearchButtonActionPerformed(java.awt.event.ActionEvent
        evt) {
        // TODO add your handling code here:
    }


    private void nodSearchButtonMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        String nameInfo = nodText.getText().toString();

        if (!nameInfo.equals("")) {
            String query = "SELECT nr_name, nr_price from NoddlesRice WHERE
                nr_name LIKE '%" + nameInfo + "%' or nr_price LIKE '%" +
```

```java
                    nameInfo + "%'";
            String clm1 = "nr_name", clm2 = "nr_price";
            ArrayList<SearhingInformation> info = new
                SearchFoodInClientModeVege().findFood(query, clm1, clm2);

            if (info.size() == 0) {
                //System.out.println("Hello vai");
                ArrayList<SearhingInformation> info1 =
                    SearchFromAllDatabase.search(nameInfo);
                //System.out.println("Hello vai"+info1.size());

                if (info1 != null) {
                    for (int i = 0; i < info1.size(); i++) {
                        //System.out.println("Hello vai"+info1.get(i).getName());
                        str7.append(info1.get(i).getName() + "\n");
                    }
                    nodTextShow.setText(str7.toString());
                    nodText.setText("");
                }
            }

            for (int i = 0; i < info.size(); i++) {
                nodTextShow.setText(info.get(i).getName() + " " +
                    info.get(i).getPrice() + "$");
                nodText.setText("");
            }

        } else {
            nodText.setText("");
            nodText.requestFocus();
        }
    }

    private void res_button_noddMouseClicked(java.awt.event.MouseEvent evt) {
        NoddlesTable.getSelectionModel().clearSelection();
        home_delv_nodd.setSelected(false);
        totNodd = 0;
        totaNodd.setText(Float.toString(totNodd));
        for (int x = 0, y = NoddlesTable.getRowCount(); x < y; x++) {
            NoddlesTable.setValueAt(new Boolean(false), x, 0);
        }
    }

    private void NoddlesTableMouseClicked(java.awt.event.MouseEvent evt) {
        DefaultTableModel model = (DefaultTableModel) NoddlesTable.getModel();
        int index = NoddlesTable.getSelectedRow();
        NameShowTextNoddlesRice.setText(model.getValueAt(index, 1).toString());
        NameShowTextNoddlesRice.setLineWrap(true);
```

```java
        priceShowTextNoddlesRice.setText(model.getValueAt(index,
            2).toString());
        detailsShowTxtNoddlesRice.setText(model.getValueAt(index,
            3).toString());
        detailsShowTxtNoddlesRice.setLineWrap(true);

        Boolean checked = Boolean.valueOf(model.getValueAt(index,
            0).toString());
        float price = Float.parseFloat(model.getValueAt(index, 2).toString());
        if (checked && NoddlesTable.columnAtPoint(evt.getPoint()) == 0) {
            totNodd += price;
            meName.append(model.getValueAt(index, 1).toString());
            totaNodd.setText(Float.toString(totNodd));
        } else if(!checked && NoddlesTable.columnAtPoint(evt.getPoint()) == 0){

            totNodd -= price;
            int i = meName.indexOf(model.getValueAt(index, 1).toString());
            if (i != -1) {
                meName.delete(i, i + model.getValueAt(index,
                    1).toString().length());
            }
            if (totNodd < 0) {
                totNodd = 0;
            }
            //TotaSup.setText(Float.toString(totSoups));
            totaNodd.setText(Float.toString(totChicken));
        }

    }


    private void seaSearchButtonActionPerformed(java.awt.event.ActionEvent
        evt) {
        // TODO add your handling code here:
    }

    private void seaSearchButtonMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        String nameInfo = seaText.getText().toString();

        if (!nameInfo.equals("")) {
            String query = "SELECT sf_name, sf_price from SeaFood WHERE
                sf_name LIKE '%" + nameInfo + "%' or sf_price LIKE '%" +
                nameInfo + "%'";
            String clm1 = "sf_name", clm2 = "sf_price";
            ArrayList<SearhingInformation> info = new
                SearchFoodInClientModeVege().findFood(query, clm1, clm2);

            if (info.size() == 0) {
                //System.out.println("Hello vai");
```

```java
            ArrayList<SearhingInformation> info1 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info1.size());

            if (info1 != null) {
                for (int i = 0; i < info1.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str6.append(info1.get(i).getName() + "\n");
                }
                seaTextShow.setText(str6.toString());
                seaText.setText("");
            }
        }

        for (int i = 0; i < info.size(); i++) {
            seaTextShow.setText(info.get(i).getName() + " " +
                info.get(i).getPrice() + "$");
            seaText.setText("");
        }

    } else {
        seaText.setText("");
        seaText.requestFocus();
    }
}

private void res_button_seaMouseClicked(java.awt.event.MouseEvent evt) {
    SeaFoodTable.getSelectionModel().clearSelection();
    home_delv_sea.setSelected(false);
    totSea = 0;
    totaSea.setText(Float.toString(totSea));

    for (int x = 0, y = SeaFoodTable.getRowCount(); x < y; x++) {
        SeaFoodTable.setValueAt(new Boolean(false), x, 0);
    }
}

private void SeaFoodTableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel) SeaFoodTable.getModel();
    int index = SeaFoodTable.getSelectedRow();
    NameShowTextSeaFood.setText(model.getValueAt(index, 1).toString());
    NameShowTextSeaFood.setLineWrap(true);
    priceShowTextSeaFood.setText(model.getValueAt(index, 2).toString());
    detailsShowTxtSeaFood.setText(model.getValueAt(index, 3).toString());
    detailsShowTxtSeaFood.setLineWrap(true);

    Boolean checked = Boolean.valueOf(model.getValueAt(index,
        0).toString());
    float price = Float.parseFloat(model.getValueAt(index, 2).toString());
```

```java
        if (checked && SeaFoodTable.columnAtPoint(evt.getPoint()) == 0) {
            totSea += price;
            meName.append(model.getValueAt(index, 1).toString());
            totaSea.setText(Float.toString(totSea));
        } else if(!checked && SeaFoodTable.columnAtPoint(evt.getPoint()) == 0){

            totSea -= price;
            int i = meName.indexOf(model.getValueAt(index, 1).toString());
            if (i != -1) {
                meName.delete(i, i + model.getValueAt(index,
                    1).toString().length());
            }
            if (totSea < 0) {
                totSea = 0;
            }
            //TotaSup.setText(Float.toString(totSoups));
            totaSea.setText(Float.toString(totChicken));
        }

    }

private void beefSearchButtonActionPerformed(java.awt.event.ActionEvent
    evt) {
    // TODO add your handling code here:
}

private void beefSearchButtonMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    String nameInfo = beefText.getText().toString();

    if (!nameInfo.equals("")) {
        String query = "SELECT bl_name, bl_price from BeefLamb WHERE
            bl_name LIKE '%" + nameInfo + "%' or bl_price LIKE '%" +
            nameInfo + "%'";
        String clm1 = "bl_name", clm2 = "bl_price";
        ArrayList<SearhingInformation> info = new
            SearchFoodInClientModeVege().findFood(query, clm1, clm2);
        if (info.size() == 0) {
            //System.out.println("Hello vai");
            ArrayList<SearhingInformation> info1 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info1.size());

            if (info1 != null) {
                for (int i = 0; i < info1.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str5.append(info1.get(i).getName() + "\n");
                }
                beefTextShw.setText(str5.toString());
```

```java
            beefText.setText("");
        }
    }

    for (int i = 0; i < info.size(); i++) {
        beefTextShw.setText(info.get(i).getName() + " " +
            info.get(i).getPrice() + "$");
        beefText.setText("");
    }

} else {
    beefText.setText("");
    beefText.requestFocus();
}
}

private void res_button_beefMouseClicked(java.awt.event.MouseEvent evt) {
    Beef_lambTable.getSelectionModel().clearSelection();
    home_delv_beef.setSelected(false);
    totBeef = 0;
    totaBeef.setText(Float.toString(totBeef));

    for (int x = 0, y = Beef_lambTable.getRowCount(); x < y; x++) {
        Beef_lambTable.setValueAt(new Boolean(false), x, 0);
    }
}

private void Beef_lambTableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel)
        Beef_lambTable.getModel();
    int index = Beef_lambTable.getSelectedRow();
    NameShowTextBeefLamb.setText(model.getValueAt(index, 1).toString());
    NameShowTextBeefLamb.setLineWrap(true);
    priceShowTextBeefLamb.setText(model.getValueAt(index, 2).toString());
    detailsShowTxtBeefLamb.setText(model.getValueAt(index, 3).toString());
    detailsShowTxtBeefLamb.setLineWrap(true);

    Boolean checked = Boolean.valueOf(model.getValueAt(index,
        0).toString());
    float price = Float.parseFloat(model.getValueAt(index, 2).toString());
    if (checked && Beef_lambTable.columnAtPoint(evt.getPoint()) == 0) {
        totBeef += price;
        meName.append(model.getValueAt(index, 1).toString());
        totaBeef.setText(Float.toString(totBeef));
    } else if(!checked && Beef_lambTable.columnAtPoint(evt.getPoint()) ==
        0){

        totBeef -= price;
        int i = meName.indexOf(model.getValueAt(index, 1).toString());
```

```java
        if (i != -1) {
            meName.delete(i, i + model.getValueAt(index,
                1).toString().length());
        }
        if (totBeef < 0) {
            totBeef = 0;
        }
        //TotaSup.setText(Float.toString(totSoups));
        totaBeef.setText(Float.toString(totChicken));
    }
    //System.out.println(totBeef);

}

private void porkSearchButtonActionPerformed(java.awt.event.ActionEvent
    evt) {
    // TODO add your handling code here:
}

private void porkSearchButtonMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    String nameInfo = porkGetT.getText().toString();

    if (!nameInfo.equals("")) {
        String query = "SELECT po_name, po_price from Pork WHERE po_name
            LIKE '%" + nameInfo + "%' or po_price LIKE '%" + nameInfo +
            "%'";
        String clm1 = "po_name", clm2 = "po_price";
        ArrayList<SearhingInformation> info = new
            SearchFoodInClientModeVege().findFood(query, clm1, clm2);
        if (info.size() == 0) {
            //System.out.println("Hello vai");
            ArrayList<SearhingInformation> info1 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info1.size());

            if (info1 != null) {
                for (int i = 0; i < info1.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str4.append(info1.get(i).getName() + "\n");
                }
                porkGetTSh.setText(str4.toString());
                porkGetT.setText("");
            }
        }
        for (int i = 0; i < info.size(); i++) {
            porkGetTSh.setText(info.get(i).getName() + " " +
                info.get(i).getPrice() + "$");
            porkGetT.setText("");
```

```java
        }

    } else {
        porkGetT.setText("");
        porkGetT.requestFocus();
    }
}

private void res_butt_porkMouseClicked(java.awt.event.MouseEvent evt) {
    PorkTable.getSelectionModel().clearSelection();
    home_delv_pork.setSelected(false);
    totPork = 0;
    totaPork.setText(Float.toString(totPork));

    for (int x = 0, y = PorkTable.getRowCount(); x < y; x++) {
        PorkTable.setValueAt(new Boolean(false), x, 0);
    }
}

private void PorkTableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel) PorkTable.getModel();
    int index = PorkTable.getSelectedRow();
    NameShowTextPork.setText(model.getValueAt(index, 1).toString());
    NameShowTextPork.setLineWrap(true);
    priceShowTextPork.setText(model.getValueAt(index, 2).toString());
    detailsShowTxtPork.setText(model.getValueAt(index, 3).toString());
    detailsShowTxtPork.setLineWrap(true);

    Boolean checked = Boolean.valueOf(model.getValueAt(index,
        0).toString());
    float price = Float.parseFloat(model.getValueAt(index, 2).toString());
    if (checked && PorkTable.columnAtPoint(evt.getPoint()) == 0) {
        totPork += price;
        meName.append(model.getValueAt(index, 1).toString());
        totaPork.setText(Float.toString(totPork));
    } else if(!checked && PorkTable.columnAtPoint(evt.getPoint()) == 0){

        totPork -= price;
        int i = meName.indexOf(model.getValueAt(index, 1).toString());
        if (i != -1) {
            meName.delete(i, i + model.getValueAt(index,
                1).toString().length());
        }
        if (totPork < 0) {
            totPork = 0;
        }
        //TotaSup.setText(Float.toString(totSoups));
        totaPork.setText(Float.toString(totChicken));
    }
```

```java
        //System.out.println(totPork);

    }

    private void ChickensearchButtonActionPerformed(java.awt.event.ActionEvent
        evt) {
        // TODO add your handling code here:
    }

    private void ChickensearchButtonMouseClicked(java.awt.event.MouseEvent
        evt) {
        // TODO add your handling code here:
        String nameInfo = checkenGetText.getText().toString();

        if (!nameInfo.equals("")) {
            String query = "SELECT ck_name, ck_price from Chicken WHERE
                ck_name LIKE '%" + nameInfo + "%' or ck_price LIKE '%" +
                nameInfo + "%'";
            String clm1 = "ck_name", clm2 = "ck_price";
            ArrayList<SearhingInformation> info = new
                SearchFoodInClientModeVege().findFood(query, clm1, clm2);

            if (info.size() == 0) {
                //System.out.println("Hello vai");
                ArrayList<SearhingInformation> info1 =
                    SearchFromAllDatabase.search(nameInfo);
                //System.out.println("Hello vai"+info1.size());

                if (info1 != null) {
                    for (int i = 0; i < info1.size(); i++) {
                        //System.out.println("Hello vai"+info1.get(i).getName());
                        str3.append(info1.get(i).getName() + "\n");
                    }
                    chickenTextSh.setText(str3.toString());
                    checkenGetText.setText("");
                }
            }
            for (int i = 0; i < info.size(); i++) {
                chickenTextSh.setText(info.get(i).getName() + " " +
                    info.get(i).getPrice() + "$");
                checkenGetText.setText("");
            }

        } else {
            checkenGetText.setText("");
            checkenGetText.requestFocus();
        }
    }
```

```java
private void res_button_chickMouseClicked(java.awt.event.MouseEvent evt) {
    ChickenTable.getSelectionModel().clearSelection();
    home_del_chik.setSelected(false);
    totChicken = 0;
    totaChicken.setText(Float.toString(totChicken));

    for (int x = 0, y = ChickenTable.getRowCount(); x < y; x++) {
        ChickenTable.setValueAt(new Boolean(false), x, 0);
    }
}

private void ChickenTableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel) ChickenTable.getModel();
    int index = ChickenTable.getSelectedRow();
    NameShowTextChicken.setText(model.getValueAt(index, 1).toString());
    NameShowTextChicken.setLineWrap(true);
    priceShowTextChicken.setText(model.getValueAt(index, 2).toString());
    detailsShowTxtChicken.setText(model.getValueAt(index, 3).toString());
    detailsShowTxtChicken.setLineWrap(true);

    Boolean checked = Boolean.valueOf(model.getValueAt(index,
        0).toString());
    float price = Float.parseFloat(model.getValueAt(index, 2).toString());
    if (checked && ChickenTable.columnAtPoint(evt.getPoint()) == 0) {
        totChicken += price;
        meName.append(model.getValueAt(index, 1).toString());
        totaChicken.setText(Float.toString(totChicken));
    } else if(!checked && ChickenTable.columnAtPoint(evt.getPoint()) == 0){

        totChicken -= price;
        int i = meName.indexOf(model.getValueAt(index, 1).toString());
        if (i != -1) {
            meName.delete(i, i + model.getValueAt(index,
                1).toString().length());
        }
        if (totChicken < 0) {
            totChicken = 0;
        }
        //TotaSup.setText(Float.toString(totSoups));
        totaChicken.setText(Float.toString(totChicken));
    }
    //System.out.println(totChicken);

}

private void SoupsSearchButtonActionPerformed(java.awt.event.ActionEvent
    evt) {
    // TODO add your handling code here:
}
```

```java
private void SoupsSearchButtonMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    String nameInfo = SoupsGetText.getText().toString();

    if (!nameInfo.equals("")) {
        String query = "SELECT so_name, so_price from Soups WHERE so_name
            LIKE '%" + nameInfo + "%' or so_price LIKE '%" + nameInfo +
            "%'";
        String clm1 = "so_name", clm2 = "so_price";
        ArrayList<SearhingInformation> info = new
            SearchFoodInClientModeVege().findFood(query, clm1, clm2);
        if (info.size() == 0) {
            //System.out.println("Hello vai");
            ArrayList<SearhingInformation> info1 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info1.size());

            if (info1 != null) {
                for (int i = 0; i < info1.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str2.append(info1.get(i).getName() + "\n");
                }
                SoupsGetTextShow.setText(str2.toString());
                SoupsGetText.setText("");
            }
        }
        for (int i = 0; i < info.size(); i++) {
            SoupsGetTextShow.setText(info.get(i).getName() + " " +
                info.get(i).getPrice() + "$");
            SoupsGetText.setText("");
        }

    } else {
        SoupsGetText.setText("");
        SoupsGetText.requestFocus();
    }
}

private void res_button_soupMouseClicked(java.awt.event.MouseEvent evt) {
    SoupsTable.getSelectionModel().clearSelection();
    home_delv_soup.setSelected(false);
    totSoups = 0;
    TotaSup.setText(Float.toString(totSoups));
    for (int x = 0, y = SoupsTable.getRowCount(); x < y; x++) {
        SoupsTable.setValueAt(new Boolean(false), x, 0);
    }
}
```

```java
private void SoupsTableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel) SoupsTable.getModel();
    int index = SoupsTable.getSelectedRow();
    NameShowTextSoups.setText(model.getValueAt(index, 1).toString());
    NameShowTextSoups.setLineWrap(true);
    priceShowTextSoups.setText(model.getValueAt(index, 2).toString());
    detailsShowTxtSoups.setText(model.getValueAt(index, 3).toString());
    detailsShowTxtSoups.setLineWrap(true);

    Boolean checked = Boolean.valueOf(model.getValueAt(index,
        0).toString());
    float price = Float.parseFloat(model.getValueAt(index, 2).toString());
    if (checked && SoupsTable.columnAtPoint(evt.getPoint()) == 0) {
        totSoups += price;
        meName.append(model.getValueAt(index, 1).toString());
        TotaSup.setText(Float.toString(totSoups));
    } else if(!checked && SoupsTable.columnAtPoint(evt.getPoint()) == 0){

        totSoups -= price;
        int i = meName.indexOf(model.getValueAt(index, 1).toString());
        if (i != -1) {
            meName.delete(i, i + model.getValueAt(index,
                1).toString().length());
        }
        if (totSoups < 0) {
            totSoups = 0;
        }
        //TotaSup.setText(Float.toString(totSoups));
        TotaSup.setText(Float.toString(totSoups));
    }
    //System.out.println(totSoups);
    //TotaSup.setText(Float.toString(totSoups));

}

private void
    SearchButtonInClientSaladActionPerformed(java.awt.event.ActionEvent
    evt) {
    // TODO add your handling code here:
}

private void
    SearchButtonInClientSaladMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    String nameInfo = saladtextget.getText().toString();

    if (!nameInfo.equals("")) {
        String query = "SELECT sl_name, sl_price from Salad WHERE sl_name
            LIKE '%" + nameInfo + "%' or sl_price LIKE '%" + nameInfo +
```

```java
                "%'";
            String clm1 = "sl_name", clm2 = "sl_price";
            ArrayList<SearhingInformation> info = new
                SearchFoodInClientModeVege().findFood(query, clm1, clm2);
            if (info.size() == 0) {
                System.out.println("Hello vai");
                ArrayList<SearhingInformation> info1 =
                    SearchFromAllDatabase.search(nameInfo);
                //System.out.println("Hello vai"+info1.size());

                if (info1 != null) {
                    for (int i = 0; i < info1.size(); i++) {
                        //System.out.println("Hello vai"+info1.get(i).getName());
                        str1.append(info1.get(i).getName() + "\n");
                    }
                    saladgetTextShow.setText(str1.toString());
                    saladtextget.setText("");
                }
            }

            for (int i = 0; i < info.size(); i++) {
                saladgetTextShow.setText(info.get(i).getName() + " " +
                    info.get(i).getPrice() + "$");
                saladtextget.setText("");
            }

        } else {
            saladtextget.setText("");
            saladtextget.requestFocus();
        }
    }

    private void res_button_saladMouseClicked(java.awt.event.MouseEvent evt) {
        saladTable.getSelectionModel().clearSelection();
        home_delv_salad.setSelected(false);
        totSalad = 0;
        TotaSalad.setText(Float.toString(totSalad));

        for (int x = 0, y = saladTable.getRowCount(); x < y; x++) {
            saladTable.setValueAt(new Boolean(false), x, 0);
        }
    }

    private void saladTableMouseClicked(java.awt.event.MouseEvent evt) {
        DefaultTableModel model = (DefaultTableModel) saladTable.getModel();
        int index = saladTable.getSelectedRow();
        NameShowTextSalad.setText(model.getValueAt(index, 1).toString());
        NameShowTextSalad.setLineWrap(true);
        priceShowTextSalad.setText(model.getValueAt(index, 2).toString());
```

```java
        detailsShowTxtSalad.setText(model.getValueAt(index, 3).toString());
        detailsShowTxtSalad.setLineWrap(true);

        Boolean checked = Boolean.valueOf(model.getValueAt(index,
            0).toString());
        float price = Float.parseFloat(model.getValueAt(index, 2).toString());
        if (checked && saladTable.columnAtPoint(evt.getPoint()) == 0) {
            totSalad += price;
            meName.append(model.getValueAt(index, 1).toString());
            TotaSalad.setText(Float.toString(totSalad));
        } else if(!checked && saladTable.columnAtPoint(evt.getPoint()) == 0){

            totSalad -= price;
            int i = meName.indexOf(model.getValueAt(index, 1).toString());
            if (i != -1) {
                meName.delete(i, i + model.getValueAt(index,
                    1).toString().length());
            }
            if (totSalad < 0) {
                totSalad = 0;
            }
            //TotaSup.setText(Float.toString(totSoups));
            TotaSalad.setText(Float.toString(totSalad));
        }
        //TotaSalad.setText(Float.toString(totSalad));
        //System.out.println(meName);

    }

    private void
        SearchButtonInClientForAppActionPerformed(java.awt.event.ActionEvent
        evt) {
        // TODO add your handling code here:
    }

    private void
        SearchButtonInClientForAppMouseClicked(java.awt.event.MouseEvent evt) {
        // search button clicked
        String nameInfo = appGetText.getText().toString();

        if (!nameInfo.equals("")) {
            String query = "SELECT app_name, app_price from APPETIZERS WHERE
                app_name LIKE '%" + nameInfo + "%' or app_name LIKE '%" +
                nameInfo + "%'";
            String clm1 = "app_name", clm2 = "app_price";
            ArrayList<SearhingInformation> info = new
                SearchFoodInClientModeVege().findFood(query, clm1, clm2);
            if (info.size() == 0) {
                //System.out.println("Hello vai");
```

```java
            ArrayList<SearhingInformation> info2 =
                SearchFromAllDatabase.search(nameInfo);
            //System.out.println("Hello vai"+info2.size());
            if (info2 != null) {
                for (int i = 0; i < info2.size(); i++) {
                    //System.out.println("Hello vai"+info1.get(i).getName());
                    str.append(info2.get(i).getName() + "\n");
                }
                appGetTextForShow.setText(str.toString());
                appGetText.setText("");
            }


        }
        StringBuilder appStr = new StringBuilder();
        for (int i = 0; i < info.size(); i++) {
            appStr.append(info.get(i).getName() + " " +
                info.get(i).getPrice() + "$\n");
        }
        appGetTextForShow.setText(appStr.toString());
        appGetText.setText("");

    } else {
        appGetText.setText("");
        appGetText.requestFocus();
    }
}

private void res_button_appMouseClicked(java.awt.event.MouseEvent evt) {
    apptizers_table.getSelectionModel().clearSelection();
    homeDel.setSelected(false);
    totApptizers = 0;
    appTot.setText(Float.toString(totApptizers));

    for (int x = 0, y = apptizers_table.getRowCount(); x < y; x++) {
        apptizers_table.setValueAt(new Boolean(false), x, 0);
    }

}

private void apptizers_tableMouseClicked(java.awt.event.MouseEvent evt) {
    DefaultTableModel model = (DefaultTableModel)
        apptizers_table.getModel();
    int index = apptizers_table.getSelectedRow();
    int clm = apptizers_table.getSelectedColumn();
    NameShowText.setText(model.getValueAt(index, 1).toString());
    NameShowText.setLineWrap(true);

    priceShowText.setText(model.getValueAt(index, 2).toString());
    detailsShowTxt.setText(model.getValueAt(index, 3).toString());
```

```java
        detailsShowTxt.setLineWrap(true);
        //apptizers_table.setCellSelectionEnabled(false);

        Boolean checked = Boolean.valueOf(model.getValueAt(index,
            0).toString());
        float price = Float.parseFloat(model.getValueAt(index, 2).toString());


        if (checked && apptizers_table.columnAtPoint(evt.getPoint()) == 0) {
            totApptizers += price;
            meName.append(model.getValueAt(index, 1).toString());
            appTot.setText(Float.toString(totApptizers));
        } else if(!checked && apptizers_table.columnAtPoint(evt.getPoint()) ==
            0){

            totApptizers -= price;
            int i = meName.indexOf(model.getValueAt(index, 1).toString());
            if (i != -1) {
                meName.delete(i, i + model.getValueAt(index,
                    1).toString().length());
            }
            if (totApptizers < 0) {
                totApptizers = 0;
            }
            //TotaSup.setText(Float.toString(totSoups));
            appTot.setText(Float.toString(totApptizers));
        }
        //appTot.setText(Float.toString(totApptizers));
        //System.out.println(totApptizers);


    }

    private void TotalButtonMouseClicked(java.awt.event.MouseEvent evt) {
        if (homeDel.isSelected() || home_delv_salad.isSelected()
                || home_del_chik.isSelected() || home_delv_beef.isSelected()
                || home_delv_nodd.isSelected() || home_delv_pork.isSelected()
                || home_delv_sea.isSelected() || home_delv_soup.isSelected()
                || home_delv_vege.isSelected()) {
            totPrice = totApptizers + totBeef + totChicken + totNodd + totPork
                + totSalad + totSea + totSoups + totVege + 10;
            tota.setText(Float.toString(totApptizers + totBeef + totChicken +
                totNodd + totPork + totSalad + totSea + totSoups + totVege +
                10));
//          res_butt_porkMouseClicked(evt);
//          res_button_appMouseClicked(evt);
//          res_button_beefMouseClicked(evt);
//          res_button_chickMouseClicked(evt);
//          res_button_noddMouseClicked(evt);
```

```java
//            res_button_saladMouseClicked(evt);
//            res_button_seaMouseClicked(evt);
//            res_button_soupMouseClicked(evt);
//            res_button_vegeMouseClicked(evt);
        } else {
            totPrice = totApptizers + totBeef + totChicken + totNodd + totPork
                + totSalad + totSea + totSoups + totVege;
            tota.setText(Float.toString(totApptizers + totBeef + totChicken +
                totNodd + totPork + totSalad + totSea + totSoups + totVege));
//            res_butt_porkMouseClicked(evt);
//            res_button_appMouseClicked(evt);
//            res_button_beefMouseClicked(evt);
//            res_button_chickMouseClicked(evt);
//            res_button_noddMouseClicked(evt);
//            res_button_saladMouseClicked(evt);
//            res_button_seaMouseClicked(evt);
//            res_button_soupMouseClicked(evt);
//            res_button_vegeMouseClicked(evt);
        }
    }

    private void CancellButtonMouseClicked(java.awt.event.MouseEvent evt) {
        // Reset selection
        /*TableForMealInClinet.getSelectionModel().clearSelection();
        TableForSetDrink.getSelectionModel().clearSelection();
        totalMeal = 0;
        totalDrink = 0;

        costOfMealShowTF.setText("");
        costOfDrinkShowTF.setText("");
        costOfDeliveryShowTF.setText("");
        totalWithHDTF.setText("");
        totalTF.setText("");
        checkItemD = false;
        checkItemM = false;*/
        res_butt_porkMouseClicked(evt);
        res_button_appMouseClicked(evt);
        res_button_beefMouseClicked(evt);
        res_button_chickMouseClicked(evt);
        res_button_noddMouseClicked(evt);
        res_button_saladMouseClicked(evt);
        res_button_seaMouseClicked(evt);
        res_button_soupMouseClicked(evt);
        res_button_vegeMouseClicked(evt);
    }

    private void confirmOrderButtonMouseClicked(java.awt.event.MouseEvent evt)
        {
        //insertionIntoTable(meName, drName, SignInClass.user_nc, totPrice);
```

```java
        if (meName.toString().length() > 0) {
            if (homeDel.isSelected() || home_delv_salad.isSelected()
                    || home_del_chik.isSelected() || home_delv_beef.isSelected()
                    || home_delv_nodd.isSelected() ||
                        home_delv_pork.isSelected()
                    || home_delv_sea.isSelected() || home_delv_soup.isSelected()
                    || home_delv_vege.isSelected()) {
                totPrice = totApptizers + totBeef + totChicken + totNodd +
                    totPork + totSalad + totSea + totSoups + totVege + 10;
                new InsertIntoTable().insertionIntoTable(meName, totPrice,
                    currentUser);
            } else {
                totPrice = totApptizers + totBeef + totChicken + totNodd +
                    totPork + totSalad + totSea + totSoups + totVege;
                new InsertIntoTable().insertionIntoTable(meName, totPrice,
                    currentUser);
            }

            res_butt_porkMouseClicked(evt);
            res_button_appMouseClicked(evt);
            res_button_beefMouseClicked(evt);
            res_button_chickMouseClicked(evt);
            res_button_noddMouseClicked(evt);
            res_button_saladMouseClicked(evt);
            res_button_seaMouseClicked(evt);
            res_button_soupMouseClicked(evt);
            res_button_vegeMouseClicked(evt);
        } else {
            res_butt_porkMouseClicked(evt);
            res_button_appMouseClicked(evt);
            res_button_beefMouseClicked(evt);
            res_button_chickMouseClicked(evt);
            res_button_noddMouseClicked(evt);
            res_button_saladMouseClicked(evt);
            res_button_seaMouseClicked(evt);
            res_button_soupMouseClicked(evt);
            res_button_vegeMouseClicked(evt);
            JOptionPane.showMessageDialog(null, "Must select foods");
        }

        meName.setLength(0);
        /*drName.setLength(0);
        checkBoxForHomeDLS.setSelected(false);
        costOfMealShowTF.setText("");
        costOfDrinkShowTF.setText("");
        costOfDeliveryShowTF.setText("");
        totalWithHDTF.setText("");
        totalTF.setText("");*/
```

```java
        // for drink show on cilent side using table
//         String qureyO = "select * from 'ClientOrderList'";
//         DefaultTableModel OrderListTableModel = new DefaultTableModel();
//         OrderListTableModel.setColumnIdentifiers(new Object[]{"Cuisions
    Name", "Price", "Client Name"});
//         new ReadFromTable().ReadMeal(TableForShowOrderList,
    OrderListTableModel, qureyO, "col_name", "col_price", "UserName", 150);

    }

    private void SignOutButtonForClientMouseClicked(java.awt.event.MouseEvent
        evt) {
        if (!currentUser.equals("")) {
            SignOutForClient.logOutStatusUpdate(currentUser);
            confirmOrderButton.setVisible(false);
            SignInButton.setVisible(true);
            JOptionPane.showMessageDialog(rootPane, "Successfully sign out");
            setActiveUser();
        } else {
            JOptionPane.showMessageDialog(rootPane, "Not You are sign in !");
        }
    }

    private void SignUpButtonMouseClicked(java.awt.event.MouseEvent evt) {
        SignUpClass signUp = new SignUpClass();
        signUp.setVisible(true);
        signUp.setLocationRelativeTo(null);
        signUp.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.dispose();
    }

    private void SignInButtonActionPerformed(java.awt.event.ActionEvent evt) {

    }

    private void SignInButtonMouseClicked(java.awt.event.MouseEvent evt) {
        SignInClass loginForm = new SignInClass();
        loginForm.setVisible(true);
        loginForm.setLocationRelativeTo(null);
        loginForm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.dispose();
    }

    private void personalInfoMouseClicked(java.awt.event.MouseEvent evt) {
        PersonalInfoFrame personalInfo = new PersonalInfoFrame();
        personalInfo.setVisible(true);
        personalInfo.setLocationRelativeTo(null);
        personalInfo.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.dispose();
```

```java
}

private void personalInfoForAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    PersonalInfoFrameForAdmin personalInfo = new
        PersonalInfoFrameForAdmin();
    personalInfo.setVisible(true);
    personalInfo.setLocationRelativeTo(null);
    personalInfo.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void AdminMouseClicked(java.awt.event.MouseEvent evt) {
    String qureyO = "select * from 'ClientOrderList'";
    DefaultTableModel OrderListTableModel = new DefaultTableModel();
    OrderListTableModel.setColumnIdentifiers(new Object[]{"Cuisions Name",
        "Price", "Client Name"});
    new ReadFromTable().ReadMeal(TableForShowOrderList,
        OrderListTableModel, qureyO, "col_name", "col_price", "UserName",
        150);
    TableForShowOrderList.getColumnModel().getColumn(0).setCellRenderer(new
        WrapTextInJTable());
    //TableForShowOrderList.getColumnModel().getColumn().setCellRenderer(new
        WrapTextInJTable());
    int rowAd = TableForShowOrderList.getRowCount();
    for (int i = 0; i < rowAd; i++) {
        TableForShowOrderList.setRowHeight(i, 80);
    }
    TableForShowOrderList.setCellSelectionEnabled(false);
}

private void buttonSubmitSCMouseClicked(java.awt.event.MouseEvent evt) {
    topFoods();
    String qureyrl = "select DISTINCT rl_name from 'RankList' ORDER BY
        'rl_score' DESC";
    DefaultTableModel rl = new DefaultTableModel();
    rl.setColumnIdentifiers(new Object[]{"Cuisions Name"});
    new ReadFromTable().ReadMeal(topFoodsTable, rl, qureyrl, "rl_name", 0,
        0);

    topFoodsTable.getColumnModel().getColumn(0).setCellRenderer(new
        WrapTextInJTable());
    int rowRl = topFoodsTable.getRowCount();
    for (int i = 0; i < rowRl; i++) {
        topFoodsTable.setRowHeight(i, 40);
    }
    topFoodsTable.setCellSelectionEnabled(false);

    updateRewardPoint();
```

```java
        //new MainActivity();
    }

    private void jScrollPane13MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    }

    public void updateRewardPoint() {
        try {
            //System.out.println(new MainActivity().getCurrentUser());
            PreparedStatement ps;
            String query = "UPDATE `Registration` SET `reward_point`= ? WHERE
                `u_u_name`= ?";
            ps = DatabaseConnection.getConnection().prepareStatement(query);
            Random r = new Random();
            int low = 10;
            int high = 100;
            int result = r.nextInt(high - low) + low;
            rewardPointLabel.setText("Reward P " + result);
            //System.out.println(result);
            ps.setInt(1, result);
            ps.setString(2, currentUser);
            ps.executeUpdate();
        } catch (SQLException ex) {
            Logger.getLogger(PersonalInfoFrame.class.getName()).log(Level.SEVERE,
                null, ex);
        }
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
            code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
            default look and feel.
         * For details see
             http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
```

```java
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(MainActivity.class.getName()).log(java.util.lo
                null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(MainActivity.class.getName()).log(java.util.lo
                null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(MainActivity.class.getName()).log(java.util.lo
                null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(MainActivity.class.getName()).log(java.util.lo
                null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new MainActivity().setVisible(true);
            }
        });
    }


    private float homeDelivery = 10;


    //check item selected or not
    private boolean checkItemM = false;
    private boolean checkItemD = false;


    // Variables declaration - do not modify
    private javax.swing.JTabbedPane Admin;
    private javax.swing.JButton Beef_LambAddButton;
    private javax.swing.JTable Beef_lambTable;
    private javax.swing.JButton CancellButton;
    private javax.swing.JButton ChickenAddButton;
    private javax.swing.JTable ChickenTable;
    private javax.swing.JButton ChickensearchButton;
    private javax.swing.JRadioButton HundredP;
    private javax.swing.JTextArea NameShowText;
    private javax.swing.JTextArea NameShowTextBeefLamb;
    private javax.swing.JTextArea NameShowTextChicken;
    private javax.swing.JTextArea NameShowTextNoddlesRice;
    private javax.swing.JTextArea NameShowTextPork;
    private javax.swing.JTextArea NameShowTextSalad;
    private javax.swing.JTextArea NameShowTextSeaFood;
    private javax.swing.JTextArea NameShowTextSoups;
    private javax.swing.JTextArea NameShowTextvege;
    private javax.swing.JRadioButton NineTyP;
    private javax.swing.JTable NoddlesTable;
```

```java
    private javax.swing.JButton Noddles_RiceAddButton;
    private javax.swing.JButton PorkAddButton;
    private javax.swing.JTable PorkTable;
    private javax.swing.JScrollPane ScrollPaneForOrdLisTable;
    private javax.swing.JScrollPane ScrollPaneForOrdLisTable1;
    private javax.swing.JButton SeaFoodAddButton;
    private javax.swing.JTable SeaFoodTable;
    private javax.swing.JButton SearchButtonInClientForApp;
    private javax.swing.JButton SearchButtonInClientForVEGe;
    private javax.swing.JButton SearchButtonInClientSalad;
    private javax.swing.JButton SignInButton;
    private javax.swing.JButton SignInButtonForAdmin;
    private javax.swing.JButton SignOutButtonForAdmin;
    private javax.swing.JButton SignOutButtonForClient;
    private javax.swing.JButton SignUpButton;
    private javax.swing.JButton SignUpButtonForAdmin;
    private javax.swing.JRadioButton SixTyP;
    private javax.swing.JButton SoupsAddButton;
    private javax.swing.JTextField SoupsGetText;
    private javax.swing.JTextArea SoupsGetTextShow;
    private javax.swing.JButton SoupsSearchButton;
    private javax.swing.JTable SoupsTable;
    private javax.swing.JTable TableForShowOrderList;
    private javax.swing.JRadioButton ThirtyP;
    private javax.swing.JTextField TotaSalad;
    private javax.swing.JTextField TotaSup;
    private javax.swing.JButton TotalButton;
    private javax.swing.JTable VegeTables;
    private javax.swing.JButton Vegetables_tofuAddButton;
    private javax.swing.JLabel activeAdminJlabel;
    private javax.swing.JLabel activeUserJlabel;
    private javax.swing.JButton addAppetizersButton;
    private javax.swing.JButton addDrinksButton;
    private javax.swing.JTextField appGetText;
    private javax.swing.JTextArea appGetTextForShow;
    private javax.swing.JTextField appTot;
    private javax.swing.JTable apptizers_table;
    private javax.swing.JButton beefSearchButton;
    private javax.swing.JTextField beefText;
    private javax.swing.JTextArea beefTextShw;
    private javax.swing.JButton buttonSubmitSC;
    private javax.swing.JTextField checkenGetText;
    private javax.swing.JTextArea chickenTextSh;
    private javax.swing.JButton confirmOrderButton;
    private javax.swing.JTextArea detailsShowTxt;
    private javax.swing.JTextArea detailsShowTxtBeefLamb;
    private javax.swing.JTextArea detailsShowTxtChicken;
    private javax.swing.JTextArea detailsShowTxtNoddlesRice;
    private javax.swing.JTextArea detailsShowTxtPork;
```

```java
private javax.swing.JTextArea detailsShowTxtSalad;
private javax.swing.JTextArea detailsShowTxtSeaFood;
private javax.swing.JTextArea detailsShowTxtSoups;
private javax.swing.JTextArea detailsShowTxtvege;
private javax.swing.JTextField editTextComments;
private javax.swing.JTextField editTextForCousionsNameSC;
private javax.swing.JCheckBox homeDel;
private javax.swing.JCheckBox home_del_chik;
private javax.swing.JCheckBox home_delv_beef;
private javax.swing.JCheckBox home_delv_nodd;
private javax.swing.JCheckBox home_delv_pork;
private javax.swing.JCheckBox home_delv_salad;
private javax.swing.JCheckBox home_delv_sea;
private javax.swing.JCheckBox home_delv_soup;
private javax.swing.JCheckBox home_delv_vege;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel29;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel30;
private javax.swing.JLabel jLabel31;
private javax.swing.JLabel jLabel32;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JLabel jLabelAp10;
private javax.swing.JLabel jLabelAp2;
private javax.swing.JLabel jLabelAp3;
```

```java
    private javax.swing.JLabel jLabelAp4;
    private javax.swing.JLabel jLabelAp5;
    private javax.swing.JLabel jLabelAp6;
    private javax.swing.JLabel jLabelAp7;
    private javax.swing.JLabel jLabelAp8;
    private javax.swing.JLabel jLabelAp9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel10;
    private javax.swing.JPanel jPanel11;
    private javax.swing.JPanel jPanel12;
    private javax.swing.JPanel jPanel13;
    private javax.swing.JPanel jPanel15;
    private javax.swing.JPanel jPanel16;
    private javax.swing.JPanel jPanel17;
    private javax.swing.JPanel jPanel18;
    private javax.swing.JPanel jPanel19;
    private javax.swing.JPanel jPanel20;
    private javax.swing.JPanel jPanel21;
    private javax.swing.JPanel jPanel22;
    private javax.swing.JPanel jPanel23;
    private javax.swing.JPanel jPanel24;
    private javax.swing.JPanel jPanel25;
    private javax.swing.JPanel jPanel26;
    private javax.swing.JPanel jPanel27;
    private javax.swing.JPanel jPanel28;
    private javax.swing.JPanel jPanel29;
    private javax.swing.JPanel jPanel30;
    private javax.swing.JPanel jPanel31;
    private javax.swing.JPanel jPanel32;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel5;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JPanel jPanel7;
    private javax.swing.JPanel jPanel8;
    private javax.swing.JPanel jPanel9;
    private javax.swing.JScrollPane jScrollPane10;
    private javax.swing.JScrollPane jScrollPane11;
    private javax.swing.JScrollPane jScrollPane12;
    private javax.swing.JScrollPane jScrollPane13;
    private javax.swing.JScrollPane jScrollPane14;
    private javax.swing.JScrollPane jScrollPane15;
    private javax.swing.JScrollPane jScrollPane16;
    private javax.swing.JScrollPane jScrollPane17;
    private javax.swing.JScrollPane jScrollPane18;
    private javax.swing.JScrollPane jScrollPane19;
    private javax.swing.JScrollPane jScrollPane20;
    private javax.swing.JScrollPane jScrollPane21;
    private javax.swing.JScrollPane jScrollPane22;
    private javax.swing.JScrollPane jScrollPane23;
```

```java
    private javax.swing.JScrollPane jScrollPane24;
    private javax.swing.JScrollPane jScrollPane25;
    private javax.swing.JScrollPane jScrollPane26;
    private javax.swing.JScrollPane jScrollPane27;
    private javax.swing.JScrollPane jScrollPane28;
    private javax.swing.JScrollPane jScrollPane29;
    private javax.swing.JScrollPane jScrollPane3;
    private javax.swing.JScrollPane jScrollPane30;
    private javax.swing.JScrollPane jScrollPane31;
    private javax.swing.JScrollPane jScrollPane32;
    private javax.swing.JScrollPane jScrollPane33;
    private javax.swing.JScrollPane jScrollPane34;
    private javax.swing.JScrollPane jScrollPane35;
    private javax.swing.JScrollPane jScrollPane36;
    private javax.swing.JScrollPane jScrollPane37;
    private javax.swing.JScrollPane jScrollPane38;
    private javax.swing.JScrollPane jScrollPane39;
    private javax.swing.JScrollPane jScrollPane4;
    private javax.swing.JScrollPane jScrollPane40;
    private javax.swing.JScrollPane jScrollPane41;
    private javax.swing.JScrollPane jScrollPane42;
    private javax.swing.JScrollPane jScrollPane43;
    private javax.swing.JScrollPane jScrollPane44;
    private javax.swing.JScrollPane jScrollPane45;
    private javax.swing.JScrollPane jScrollPane46;
    private javax.swing.JScrollPane jScrollPane47;
    private javax.swing.JScrollPane jScrollPane48;
    private javax.swing.JScrollPane jScrollPane6;
    private javax.swing.JScrollPane jScrollPane7;
    private javax.swing.JScrollPane jScrollPane8;
    private javax.swing.JScrollPane jScrollPane9;
    private javax.swing.JTabbedPane jTabbedPane1;
    private javax.swing.JTabbedPane jTabbedPane2;
    private javax.swing.JButton nodSearchButton;
    private javax.swing.JTextField nodText;
    private javax.swing.JTextArea nodTextShow;
    private javax.swing.JLabel personalInfo;
    private javax.swing.JLabel personalInfoForAdmin;
    private javax.swing.JTextField porkGetT;
    private javax.swing.JTextArea porkGetTSh;
    private javax.swing.JButton porkSearchButton;
    private javax.swing.JTextField priceShowText;
    private javax.swing.JTextField priceShowTextBeefLamb;
    private javax.swing.JTextField priceShowTextChicken;
    private javax.swing.JTextField priceShowTextNoddlesRice;
    private javax.swing.JTextField priceShowTextPork;
    private javax.swing.JTextField priceShowTextSalad;
    private javax.swing.JTextField priceShowTextSeaFood;
    private javax.swing.JTextField priceShowTextSoups;
```

```java
    private javax.swing.JTextField priceShowTextvege;
    private javax.swing.JButton res_butt_pork;
    private javax.swing.JButton res_button_app;
    private javax.swing.JButton res_button_beef;
    private javax.swing.JButton res_button_chick;
    private javax.swing.JButton res_button_nodd;
    private javax.swing.JButton res_button_salad;
    private javax.swing.JButton res_button_sea;
    private javax.swing.JButton res_button_soup;
    private javax.swing.JButton res_button_vege;
    private javax.swing.JLabel rewardPointLabel;
    private javax.swing.JTable saladTable;
    private javax.swing.JTextArea saladgetTextShow;
    private javax.swing.JTextField saladtextget;
    private javax.swing.JButton seaSearchButton;
    private javax.swing.JTextField seaText;
    private javax.swing.JTextArea seaTextShow;
    private javax.swing.JTable topFoodsTable;
    private javax.swing.JTextField tota;
    private javax.swing.JTextField totaBeef;
    private javax.swing.JTextField totaChicken;
    private javax.swing.JTextField totaNodd;
    private javax.swing.JTextField totaPork;
    private javax.swing.JTextField totaSea;
    private javax.swing.JTextField totaVege;
    private javax.swing.JTextField vegeGetText;
    private javax.swing.JTextArea vegeGetTextForShow;
    // End of variables declaration

    @Override
    public void actionPerformed(ActionEvent e) {
        //for Radio button
        if (e.getActionCommand().equals("30%")) {
            u_score = "30";
        } else if (e.getActionCommand().equals("60%")) {
            u_score = "60";
        } else if (e.getActionCommand().equals("90%")) {
            u_score = "90";
        } else if (e.getActionCommand().equals("100%")) {
            u_score = "100";
        } else {
            u_score = "0";
        }
        //System.out.println(u_score);

        //throw new UnsupportedOperationException("Not supported yet."); //To
            change body of generated methods, choose Tools | Templates.
    }
```

```
}
```

5.4.2 Sign In
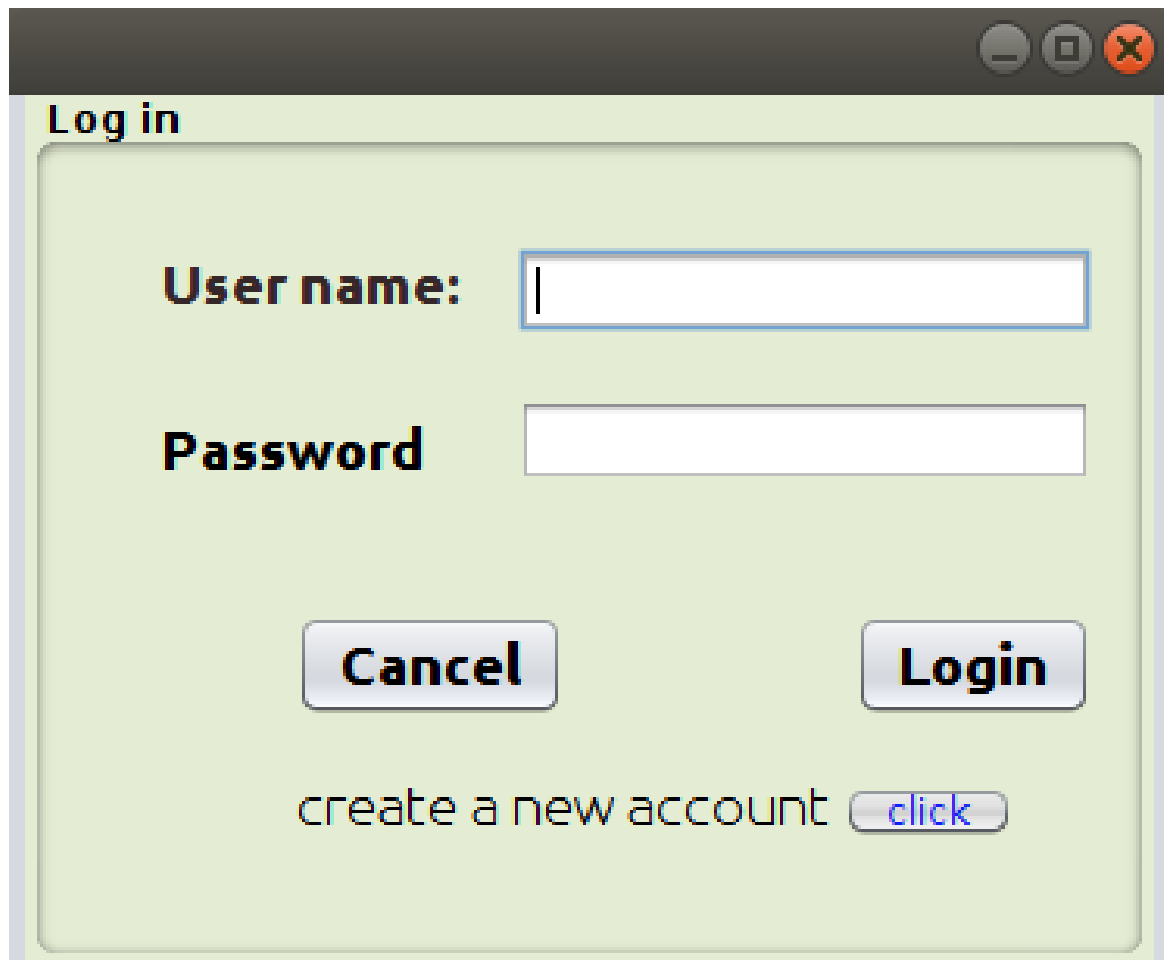
Figure 12: Design for Signin

```
/*
 * To change this license header, choose License Headers in Project
     Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package RegistrationPackage;

import DatabaseConnection.DatabaseConnection;
import HomeActivity.MainActivity;
import RegistrationPackage.Admin.SignInClassForAdmin;
import static RegistrationPackage.Admin.SignInClassForAdmin.user_n;
import java.sql.PreparedStatement;
```

```java
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JFrame;
import javax.swing.JOptionPane;

public class SignInClass extends javax.swing.JFrame {

    /**
     * Creates new form SignInClass
     *
     *
     */

    public static boolean checkUserIsEnable = false;
    public static String user_nc = "";

    public SignInClass() {
        initComponents();
    }

    public static void setCheck(boolean b) {
        checkUserIsEnable = !b;
    }

    public void loginStatusUpdate(String u_name) {
        PreparedStatement psForStatusUpdate;

        user_nc = u_name;

        String queryForUpdate = "UPDATE 'Registration' SET 'status'= ? WHERE
            'u_u_name'= ?";

        try {
            psForStatusUpdate =
                DatabaseConnection.getConnection().prepareStatement(queryForUpdate);
            psForStatusUpdate.setInt(1, 1);
            psForStatusUpdate.setString(2, u_name);
            psForStatusUpdate.executeUpdate();
        } catch (SQLException ex) {
            Logger.getLogger(SignInClassForAdmin.class.getName()).log(Level.SEVERE,
                null, ex);
        }

    }

    public void loginInfor() {
        PreparedStatement ps;
```

```java
ResultSet resultSet;

String u_name = userNameFieldForLoginForm.getText();
String u_pass = String.valueOf(passwordInLoginForm.getPassword());

if (!u_name.equals("")) {

    //boolean exist = new RegisterForm().checkName(u_name);
    if (new SignUpClass().checkName(u_name)) {
        if (!u_pass.equals("")) {
            String query = "SELECT * FROM `Registration` WHERE
                `u_u_name` =? AND `u_r_pass`=?";

            try {
                ps =
                    DatabaseConnection.getConnection().prepareStatement(query);
                ps.setString(1, u_name);
                ps.setString(2, u_pass);

                resultSet = ps.executeQuery();
                if (resultSet.next()) {

                    loginStatusUpdate(u_name);

                    MainActivity mainActivity = new MainActivity();
                    mainActivity.setVisible(true);
                    mainActivity.setLocationRelativeTo(null);
                    mainActivity.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                    this.dispose();

                } else {
                    JOptionPane.showMessageDialog(rootPane, "Enter
                        correct infromation");
                }

            } catch (SQLException ex) {
                Logger.getLogger(SignInClass.class.getName()).log(Level.SEVERE,
                    null, ex);
            }
        } else {
            JOptionPane.showMessageDialog(rootPane, "Enter password");
            passwordInLoginForm.requestFocus();
        }
    }else{
        JOptionPane.showMessageDialog(rootPane, "You have no account,
            please create an account!");
    }

} else {
```

```
                JOptionPane.showMessageDialog(rootPane, "Enter user name");
                userNameFieldForLoginForm.requestFocus();
        }
}


/**
 * This method is called from within the constructor to initialize the
     form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    UserNameLabel = new javax.swing.JLabel();
    PasswordLabel = new javax.swing.JLabel();
    userNameFieldForLoginForm = new javax.swing.JTextField();
    loginButton = new javax.swing.JButton();
    CancelButtonOnLoginForm = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    clickButtonOnLoginForm = new javax.swing.JButton();
    passwordInLoginForm = new javax.swing.JPasswordField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(228, 236, 211));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFact
        in")));

    UserNameLabel.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
    UserNameLabel.setForeground(new java.awt.Color(53, 39, 39));
    UserNameLabel.setText("User name:");
    UserNameLabel.setVerticalAlignment(javax.swing.SwingConstants.TOP);
    UserNameLabel.setAutoscrolls(true);

    PasswordLabel.setBackground(new java.awt.Color(24, 17, 9));
    PasswordLabel.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
    PasswordLabel.setText("Password");

    userNameFieldForLoginForm.setToolTipText("Enter your name");

    loginButton.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
    loginButton.setText("Login");
    loginButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            loginButtonActionPerformed(evt);
        }
```

```java
        });

        CancelButtonOnLoginForm.setFont(new java.awt.Font("Ubuntu", 1, 18));
            // NOI18N
        CancelButtonOnLoginForm.setText("Cancel");
        CancelButtonOnLoginForm.addActionListener(new
            java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CancelButtonOnLoginFormActionPerformed(evt);
            }
        });

        jLabel1.setFont(new java.awt.Font("Ubuntu", 0, 18)); // NOI18N
        jLabel1.setText("create a new account");

        clickButtonOnLoginForm.setBackground(new java.awt.Color(174, 174,
            174));
        clickButtonOnLoginForm.setForeground(new java.awt.Color(15, 33, 245));
        clickButtonOnLoginForm.setText("click");
        clickButtonOnLoginForm.addActionListener(new
            java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                clickButtonOnLoginFormActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
            javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    false)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                            false)
                            .addComponent(UserNameLabel,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                Short.MAX_VALUE)
                            .addComponent(PasswordLabel,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                Short.MAX_VALUE))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                            false)
```

123

```
                    .addComponent(userNameFieldForLoginForm,
                        javax.swing.GroupLayout.DEFAULT_SIZE, 184,
                        Short.MAX_VALUE)
                    .addComponent(passwordInLoginForm)))
            .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
                jPanel1Layout.createSequentialGroup()
                .addGap(73, 73, 73)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(CancelButtonOnLoginForm)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REI
                            javax.swing.GroupLayout.DEFAULT_SIZE,
                            Short.MAX_VALUE)
                        .addComponent(loginButton))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel1)
                        .addGap(4, 4, 4)
                        .addComponent(clickButtonOnLoginForm)
                        .addGap(0, 25, Short.MAX_VALUE)))))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(22, 22, 22)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(UserNameLabel,
                javax.swing.GroupLayout.PREFERRED_SIZE, 25,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(userNameFieldForLoginForm,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(27, 27, 27)
                .addComponent(PasswordLabel))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel1Layout.createSequentialGroup()
                .addGap(21, 21, 21)
                .addComponent(passwordInLoginForm,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 27,
                    javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(42, 42, 42)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(loginButton)
            .addComponent(CancelButtonOnLoginForm))
        .addGap(18, 18, 18)
```

```java
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    .addComponent(jLabel1)
                    .addComponent(clickButtonOnLoginForm,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 17,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(29, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new
            javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    }// </editor-fold>

    private void loginButtonActionPerformed(java.awt.event.ActionEvent evt) {
        loginInfor();
    }

    private void
        CancelButtonOnLoginFormActionPerformed(java.awt.event.ActionEvent evt)
        {
        MainActivity mainActivity = new MainActivity();
        mainActivity.setVisible(true);
        mainActivity.setLocationRelativeTo(null);
        mainActivity.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.dispose();
    }
```

```java
    private void
        clickButtonOnLoginFormActionPerformed(java.awt.event.ActionEvent evt) {
        SignUpClass registerForm = new SignUpClass();
        registerForm.setVisible(true);
        registerForm.setLocationRelativeTo(null);
        registerForm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.dispose();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
            code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
            default look and feel.
         * For details see
             http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(SignInClass.class.getName()).log(java.util.log
                null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(SignInClass.class.getName()).log(java.util.log
                null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(SignInClass.class.getName()).log(java.util.log
                null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(SignInClass.class.getName()).log(java.util.log
                null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new SignInClass().setVisible(true);
            }
```

```
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton CancelButtonOnLoginForm;
    private javax.swing.JLabel PasswordLabel;
    private javax.swing.JLabel UserNameLabel;
    private javax.swing.JButton clickButtonOnLoginForm;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JButton loginButton;
    private javax.swing.JPasswordField passwordInLoginForm;
    private javax.swing.JTextField userNameFieldForLoginForm;
    // End of variables declaration
}
```

5.4.3   Sign UP

Figure 13: Design for Sign up

```java
    /*
 * To change this license header, choose License Headers in Project
     Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package RegistrationPackage;

import DatabaseConnection.DatabaseConnection;
import HomeActivity.MainActivity;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JFrame;
import javax.swing.JOptionPane;

/**
 *
 * @author basedul
 */
public class SignUpClass extends javax.swing.JFrame {

    /**
     * Creates new form SignUpClass
     */
    public SignUpClass() {
        initComponents();
        setLocationRelativeTo(null);
    }

    public boolean checkName(String name) {
        boolean checkN = false;

        PreparedStatement ps;
        ResultSet rs;
        String query = "SELECT * FROM `Registration` WHERE `u_u_name` =?";

        try {
            ps = DatabaseConnection.getConnection().prepareStatement(query);
            ps.setString(1, name);
            rs = ps.executeQuery();
            if (rs.next()) {
                checkN = true;
            }
        } catch (SQLException ex) {
```

```java
        Logger.getLogger(SignUpClass.class.getName()).log(Level.SEVERE,
            null, ex);
    }

    return checkN;
}

/**
 * This method is called from within the constructor to initialize the
 *   form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    firstNameTextFieldInRegisterForm = new javax.swing.JTextField();
    jPanel3 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    lastNameTextFieldInRegisterForm = new javax.swing.JTextField();
    jPanel4 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jPasswordFieldinRegistrationForm = new javax.swing.JPasswordField();
    jPanel5 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    userNameTextFieldInRegisterForm = new javax.swing.JTextField();
    jPanel6 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    jPasswordField2inRegistrationFrom = new javax.swing.JPasswordField();
    jPanel8 = new javax.swing.JPanel();
    jLabel7 = new javax.swing.JLabel();
    emailTextFieldInRegisterForm = new javax.swing.JTextField();
    CreateButtonInRegistrationForm = new javax.swing.JButton();
    cancellButtonInRegistrationForm = new javax.swing.JButton();
    jLabel9 = new javax.swing.JLabel();
    clickHereToLoginButtonOnRegistrationButton = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(253, 251, 252));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Register"));
    jPanel1.setForeground(new java.awt.Color(254, 254, 254));

    jLabel1.setBackground(new java.awt.Color(7, 7, 7));
    jLabel1.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
```

```java
jLabel1.setForeground(new java.awt.Color(9, 4, 4));
jLabel1.setText("First Name");

firstNameTextFieldInRegisterForm.setFont(new java.awt.Font("Ubuntu",
    0, 18)); // NOI18N

javax.swing.GroupLayout jPanel2Layout = new
    javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
            98, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(firstNameTextFieldInRegisterForm,
            javax.swing.GroupLayout.PREFERRED_SIZE, 213,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(firstNameTextFieldInRegisterForm,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jLabel2.setBackground(new java.awt.Color(7, 7, 7));
jLabel2.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(9, 4, 4));
jLabel2.setText("Last Name");

lastNameTextFieldInRegisterForm.setFont(new java.awt.Font("Ubuntu", 0,
    18)); // NOI18N

javax.swing.GroupLayout jPanel3Layout = new
    javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
```

```
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
            98, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(lastNameTextFieldInRegisterForm,
            javax.swing.GroupLayout.PREFERRED_SIZE, 213,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel2,
                javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(lastNameTextFieldInRegisterForm,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jLabel4.setBackground(new java.awt.Color(7, 7, 7));
jLabel4.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(9, 4, 4));
jLabel4.setText("Password");

jPasswordFieldinRegistrationForm.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jPasswordFieldinRegistrationFormActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new
    javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addContainerGap()
```

```
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE,
                98, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPasswordFieldinRegistrationForm)
            .addContainerGap())
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel4,
                javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPasswordFieldinRegistrationForm,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jLabel3.setBackground(new java.awt.Color(7, 7, 7));
jLabel3.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(9, 4, 4));
jLabel3.setText("User Name");

userNameTextFieldInRegisterForm.setFont(new java.awt.Font("Ubuntu", 0,
    18)); // NOI18N

javax.swing.GroupLayout jPanel5Layout = new
    javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel5Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
            98, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(userNameTextFieldInRegisterForm,
            javax.swing.GroupLayout.PREFERRED_SIZE, 211,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel5Layout.createSequentialGroup()
```

```java
                .addContainerGap()
                .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    .addComponent(userNameTextFieldInRegisterForm,
                        javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
);

jLabel5.setBackground(new java.awt.Color(7, 7, 7));
jLabel5.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel5.setForeground(new java.awt.Color(9, 4, 4));
jLabel5.setText("Re password");

javax.swing.GroupLayout jPanel6Layout = new
    javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel6Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE,
            98, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPasswordField2inRegistrationFrom)
        .addContainerGap())
);
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel6Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel5,
                javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPasswordField2inRegistrationFrom,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE))
);

jLabel7.setBackground(new java.awt.Color(7, 7, 7));
```

```java
jLabel7.setFont(new java.awt.Font("Ubuntu", 1, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(9, 4, 4));
jLabel7.setText("Email");

emailTextFieldInRegisterForm.setFont(new java.awt.Font("Ubuntu", 0,
    18)); // NOI18N

javax.swing.GroupLayout jPanel8Layout = new
    javax.swing.GroupLayout(jPanel8);
jPanel8.setLayout(jPanel8Layout);
jPanel8Layout.setHorizontalGroup(
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel8Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE,
            61, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(emailTextFieldInRegisterForm,
            javax.swing.GroupLayout.PREFERRED_SIZE, 213,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
);
jPanel8Layout.setVerticalGroup(
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel8Layout.createSequentialGroup()
        .addContainerGap(13, Short.MAX_VALUE)
        .addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jLabel7,
                javax.swing.GroupLayout.PREFERRED_SIZE, 38,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(emailTextFieldInRegisterForm))
        .addContainerGap())
);

CreateButtonInRegistrationForm.setBackground(new java.awt.Color(11,
    48, 242));
CreateButtonInRegistrationForm.setFont(new java.awt.Font("Ubuntu", 1,
    21)); // NOI18N
CreateButtonInRegistrationForm.setText("Create");
CreateButtonInRegistrationForm.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CreateButtonInRegistrationFormActionPerformed(evt);
    }
});
```

```java
cancellButtonInRegistrationForm.setBackground(new java.awt.Color(244,
    9, 46));
cancellButtonInRegistrationForm.setFont(new java.awt.Font("Ubuntu", 1,
    21)); // NOI18N
cancellButtonInRegistrationForm.setText("cancel");
cancellButtonInRegistrationForm.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cancellButtonInRegistrationFormActionPerformed(evt);
    }
});

jLabel9.setFont(new java.awt.Font("Ubuntu", 2, 15)); // NOI18N
jLabel9.setText("here to login");

clickHereToLoginButtonOnRegistrationButton.setFont(new
    java.awt.Font("Ubuntu", 3, 15)); // NOI18N
clickHereToLoginButtonOnRegistrationButton.setForeground(new
    java.awt.Color(2, 62, 241));
clickHereToLoginButtonOnRegistrationButton.setText("click");
clickHereToLoginButtonOnRegistrationButton.addActionListener(new
    java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clickHereToLoginButtonOnRegistrationButtonActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new
    javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addComponent(jPanel8,
                javax.swing.GroupLayout.Alignment.TRAILING,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    false)
                    .addComponent(jPanel4,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jPanel5,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
                        Short.MAX_VALUE)
                    .addComponent(jPanel3,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jPanel2,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jPanel6,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE))
                .addGap(0, 0, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(12, 12, 12)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    .addComponent(clickHereToLoginButtonOnRegistrationButton)
                    .addComponent(cancellButtonInRegistrationForm))
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL
                            javax.swing.GroupLayout.DEFAULT_SIZE,
                            Short.MAX_VALUE)
                        .addComponent(CreateButtonInRegistrationForm,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 95,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(2, 2, 2)
                        .addComponent(jLabel9)))))
        .addContainerGap())
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(22, 22, 22)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```java
                    .addComponent(jPanel8, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                        false)
                        .addComponent(cancellButtonInRegistrationForm,
                            javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(CreateButtonInRegistrationForm,
                            javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                        false)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(9, 9, 9)
                            .addComponent(jLabel9))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(clickHereToLoginButtonOnRegistrationButton,
                                javax.swing.GroupLayout.PREFERRED_SIZE, 0,
                                Short.MAX_VALUE)))
                    .addGap(18, 18, 18))
        );

        javax.swing.GroupLayout layout = new
            javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                    363, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    layout.createSequentialGroup()
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>

    private void
        jPasswordFieldinRegistrationFormActionPerformed(java.awt.event.ActionEvent
        evt) {
        // TODO add your handling code here:
    }

    private void
        CreateButtonInRegistrationFormActionPerformed(java.awt.event.ActionEvent
        evt) {

        String firstName = firstNameTextFieldInRegisterForm.getText();
        String lastName = lastNameTextFieldInRegisterForm.getText();
        String UserName = userNameTextFieldInRegisterForm.getText();
        String Email = emailTextFieldInRegisterForm.getText();
        String Pass_01 =
            String.valueOf(jPasswordFieldinRegistrationForm.getPassword());
        String Pas_02 =
            String.valueOf(jPasswordField2inRegistrationFrom.getPassword());
        int status = 0;

        if (!firstName.equals("")) {

            if (!lastName.equals("")) {

                if (!UserName.equals("")) {

                    if (!Email.equals("")) {

                        if (!Pass_01.equals("")) {

                            if (Pas_02.equals(Pass_01)) {

                                if (checkName(UserName)) {
                                    JOptionPane.showMessageDialog(null, "User
                                        Name already exists !");
                                    jPasswordField2inRegistrationFrom.requestFocus();
                                } else {
                                    PreparedStatement ps;
```

138

```java
                String query = "INSERT INTO
                    ‘Registration‘(‘u_f_name‘, ‘u_l_name‘,
                    ‘u_u_name‘, ‘U_mail‘, ‘u_f_pass‘,
                    ‘u_r_pass‘, ‘status‘, ‘reward_point‘)
                    VALUES (?,?,?,?,?,?,?,?)";

                try {

                    ps =
                        DatabaseConnection.getConnection().prepareStatement(

                    ps.setString(1, firstName);
                    ps.setString(2, lastName);
                    ps.setString(3, UserName);
                    ps.setString(4, Email);
                    ps.setString(5, Pass_01);
                    ps.setString(6, Pas_02);
                    ps.setInt(7, status);
                    ps.setFloat(8, 0);

                    if (ps.executeUpdate() > 0) {
                        JOptionPane.showMessageDialog(null,
                            "New User Add");
                        SignInClass loginForm = new
                            SignInClass();
                        loginForm.setVisible(true);
                        loginForm.setLocationRelativeTo(null);
                        loginForm.setDefaultCloseOperation(JFrame.EXIT_ON_CL
                        dispose();
                    }

                } catch (SQLException ex) {
                    Logger.getLogger(SignUpClass.class.getName()).log(Level
                        null, ex);
                }
            }

        } else {
            JOptionPane.showMessageDialog(null, "Password
                doesn’t match");
            jPasswordField2inRegistrationFrom.requestFocus();
        }

    } else {
        JOptionPane.showMessageDialog(null, "Enter
            password");
        jPasswordFieldinRegistrationForm.requestFocus();
    }
```

```java
                } else {
                    JOptionPane.showMessageDialog(null, "Enter mail");
                    emailTextFieldInRegisterForm.requestFocus();
                }

            } else {
                JOptionPane.showMessageDialog(null, "Enter user name");
                userNameTextFieldInRegisterForm.requestFocus();
            }
        } else {
            JOptionPane.showMessageDialog(null, "Enter last name");
            lastNameTextFieldInRegisterForm.requestFocus();
        }
    } else {
        JOptionPane.showMessageDialog(null, "Enter first name");
        firstNameTextFieldInRegisterForm.requestFocus();
    }
}

private void
    cancellButtonInRegistrationFormActionPerformed(java.awt.event.ActionEvent
    evt) {
    MainActivity mainActivity = new MainActivity();
    mainActivity.setVisible(true);
    mainActivity.setLocationRelativeTo(null);
    mainActivity.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

private void
    clickHereToLoginButtonOnRegistrationButtonActionPerformed(java.awt.event.ActionEvent
    evt) {
    SignInClass loginForm = new SignInClass();
    loginForm.setVisible(true);
    loginForm.setLocationRelativeTo(null);
    loginForm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
        code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the
        default look and feel.
```

```
 * For details see
     http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
 */
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {
    java.util.logging.Logger.getLogger(SignUpClass.class.getName()).log(java.util.log
        null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(SignUpClass.class.getName()).log(java.util.log
        null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(SignUpClass.class.getName()).log(java.util.log
        null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(SignUpClass.class.getName()).log(java.util.log
        null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new SignUpClass().setVisible(true);
    }
});
}


// Variables declaration - do not modify
private javax.swing.JButton CreateButtonInRegistrationForm;
private javax.swing.JButton cancellButtonInRegistrationForm;
private javax.swing.JButton clickHereToLoginButtonOnRegistrationButton;
private javax.swing.JTextField emailTextFieldInRegisterForm;
private javax.swing.JTextField firstNameTextFieldInRegisterForm;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
```

```java
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel5;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JPanel jPanel8;
    private javax.swing.JPasswordField jPasswordField2inRegistrationFrom;
    private javax.swing.JPasswordField jPasswordFieldinRegistrationForm;
    private javax.swing.JTextField lastNameTextFieldInRegisterForm;
    private javax.swing.JTextField userNameTextFieldInRegisterForm;
    // End of variables declaration
}
```

### 5.4.4   Update Personal Information

Figure 14: Design for Personal information update

```java
    /*
 * To change this license header, choose License Headers in Project
   Properties.
```

```java
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package PersonalInfoShow;

import DatabaseConnection.DatabaseConnection;
import HomeActivity.MainActivity;
import RegistrationPackage.Admin.SignInClassForAdmin;
import java.awt.event.KeyEvent;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

/**
 *
 * @author basedul
 */
public class PersonalInfoFrameForAdmin extends javax.swing.JFrame {

    /**
     * Creates new form PersonalInfoFrame
     */
    private String name = "";
    private String email = "";

    public PersonalInfoFrameForAdmin() {
        initComponents();
        setPersonalInfo();
    }

    public void setPersonalInfo() {
        PreparedStatement ps;
        ResultSet rs;
        String query = "SELECT * FROM `RegistrationForAdmin` WHERE `status`
            =?";
        try {
            ps = DatabaseConnection.getConnection().prepareStatement(query);
            ps.setInt(1, 1);
            rs = ps.executeQuery();
            if (rs.next()) {
                String name = rs.getString("u_u_name");
                this.name = name;
                showNameForAdminOnPersonalInfoFrame.setText(name);
                String email = rs.getString("U_mail");
```

```java
                showEmailForAdminOnPersonalInfoFrame.setText(email);
            }
        } catch (SQLException ex) {
            Logger.getLogger(MainActivity.class.getName()).log(Level.SEVERE,
                null, ex);
        }
    }

    public JLabel getShowEmailOnPersonalInfoFrame() {
        return showEmailForAdminOnPersonalInfoFrame;
    }

    public JLabel getShowNameOnPersonalInfoFrame() {
        return showNameForAdminOnPersonalInfoFrame;
    }

    /**
     * This method is called from within the constructor to initialize the
        form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        showNameForAdminOnPersonalInfoFrame = new javax.swing.JLabel();
        showEmailForAdminOnPersonalInfoFrame = new javax.swing.JLabel();
        updateNameButtonAdmin = new javax.swing.JButton();
        updateEmailButtonAdmin = new javax.swing.JButton();
        updatePassButtonAdmin = new javax.swing.JButton();
        updateNameAdmin = new javax.swing.JTextField();
        updateEmailAdmin = new javax.swing.JTextField();
        updateFirstPassAdmin = new javax.swing.JPasswordField();
        firstPassLabelAdmin = new javax.swing.JLabel();
        secondPassLabelAdmin = new javax.swing.JLabel();
        updateSecondPasswordAdmin = new javax.swing.JPasswordField();
        updatedButtonAdmin = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
            javax.swing.border.LineBorder(new java.awt.Color(10, 19, 238), 3,
            true), "Personal Information",
            javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
            javax.swing.border.TitledBorder.DEFAULT_POSITION, new
            java.awt.Font("Dialog", 0, 12), new java.awt.Color(16, 28, 253)));
            // NOI18N
```

```java
showNameForAdminOnPersonalInfoFrame.setText("Your name");

showEmailForAdminOnPersonalInfoFrame.setText("Your email");

updateNameButtonAdmin.setText("Do you update your name !");
updateNameButtonAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateNameButtonAdminMouseClicked(evt);
    }
});

updateEmailButtonAdmin.setText("Do you update your email !");
updateEmailButtonAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateEmailButtonAdminMouseClicked(evt);
    }
});

updatePassButtonAdmin.setText("Do you update your password !");
updatePassButtonAdmin.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updatePassButtonAdminMouseClicked(evt);
    }
});

updateNameAdmin.setEnabled(false);
updateNameAdmin.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        updateNameAdminKeyPressed(evt);
    }
});

updateEmailAdmin.setEnabled(false);
updateEmailAdmin.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        updateEmailAdminKeyPressed(evt);
    }
});

updateFirstPassAdmin.setEnabled(false);
updateFirstPassAdmin.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        updateFirstPassAdminKeyPressed(evt);
    }
});
```

```java
firstPassLabelAdmin.setText("First pass");
firstPassLabelAdmin.setEnabled(false);

secondPassLabelAdmin.setText("Second pass");
secondPassLabelAdmin.setEnabled(false);

updateSecondPasswordAdmin.setEnabled(false);
updateSecondPasswordAdmin.addKeyListener(new
    java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        updateSecondPasswordAdminKeyPressed(evt);
    }
});

updatedButtonAdmin.setText("Updated");
updatedButtonAdmin.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updatedButtonAdminMouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new
    javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(55, 55, 55)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
                    .addComponent(showNameForAdminOnPersonalInfoFrame,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 240,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(showEmailForAdminOnPersonalInfoFrame,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 240,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLa
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(updatePassButtonAdmin)
                                .addGap(29, 29, 29))
                            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                                jPanel1Layout.createSequentialGroup()
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing
                                    .addComponent(firstPassLabelAdmin)
                                    .addComponent(secondPassLabelAdmin))
                                .addGap(72, 72, 72)))
```

```java
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLa
                                false)
                                .addComponent(updateSecondPasswordAdmin,
                                    javax.swing.GroupLayout.DEFAULT_SIZE,
                                    112, Short.MAX_VALUE)
                                .addComponent(updateFirstPassAdmin)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(updateNameButtonAdmin)
                            .addGap(58, 58, 58)
                            .addComponent(updateNameAdmin,
                                javax.swing.GroupLayout.PREFERRED_SIZE, 117,
                                javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGap(0, 100, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(updateEmailButtonAdmin)
                    .addGap(60, 60, 60)
                    .addComponent(updateEmailAdmin)))
            .addContainerGap())
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
            jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addComponent(updatedButtonAdmin)
            .addGap(25, 25, 25))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(showNameForAdminOnPersonalInfoFrame,
                javax.swing.GroupLayout.PREFERRED_SIZE, 28,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(24, 24, 24)
            .addComponent(showEmailForAdminOnPersonalInfoFrame,
                javax.swing.GroupLayout.PREFERRED_SIZE, 28,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 30)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addComponent(updateNameButtonAdmin)
                .addComponent(updateNameAdmin,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(30, 30, 30)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addComponent(updateEmailButtonAdmin)
                .addComponent(updateEmailAdmin,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
```

147

```java
                javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(30, 30, 30)
            .addComponent(updatePassButtonAdmin)
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addComponent(updateFirstPassAdmin,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(firstPassLabelAdmin))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                .addComponent(updateSecondPasswordAdmin,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(secondPassLabelAdmin))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                17, Short.MAX_VALUE)
            .addComponent(updatedButtonAdmin)
            .addContainerGap())
    );

    javax.swing.GroupLayout layout = new
        javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
            layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    pack();
}// </editor-fold>

private void updatedButtonAdminMouseClicked(java.awt.event.MouseEvent evt)
    {
    MainActivity mainActivity = new MainActivity();
    mainActivity.setVisible(true);
    mainActivity.setLocationRelativeTo(null);
```

```java
    mainActivity.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    this.dispose();
}


private void updateNameButtonAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    updateNameAdmin.setEnabled(true);
    updateNameAdmin.requestFocus();
}


private void updateEmailButtonAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    updateEmailAdmin.setEnabled(true);
    updateEmailAdmin.requestFocus();
}


private void updatePassButtonAdminMouseClicked(java.awt.event.MouseEvent
    evt) {
    updateFirstPassAdmin.setEnabled(true);
    updateFirstPassAdmin.requestFocus();
    firstPassLabelAdmin.setEnabled(true);
    updateSecondPasswordAdmin.setEnabled(true);
    secondPassLabelAdmin.setEnabled(true);
}


private void updateNameAdminKeyPressed(java.awt.event.KeyEvent evt) {
    if (evt.getKeyCode() == KeyEvent.VK_ENTER) {
        String name1 = updateNameAdmin.getText().toString();
        if (!name1.equals("")) {
            String query = "UPDATE 'RegistrationForAdmin' SET 'u_u_name'= ?
                WHERE 'u_u_name'= ?";
            updateUserInfor(query, name1);
            updateNameAdmin.setText("");
            showNameForAdminOnPersonalInfoFrame.setText(name1);
            JOptionPane.showMessageDialog(null, "Successfully updated ");
            updateNameAdmin.setEnabled(false);
        }
    }
}


private void updateEmailAdminKeyPressed(java.awt.event.KeyEvent evt) {
    if (evt.getKeyCode() == KeyEvent.VK_ENTER) {
        String name1 = updateEmailAdmin.getText().toString();
        if (!name1.equals("")) {
            String query = "UPDATE 'RegistrationForAdmin' SET 'U_mail'= ?
                WHERE 'u_u_name'= ?";
            updateUserInfor(query, name1);
            updateEmailAdmin.setText("");
            showEmailForAdminOnPersonalInfoFrame.setText(name1);
```

```java
                    JOptionPane.showMessageDialog(null, "Successfully updated ");
                    updateEmailAdmin.setEnabled(false);
                }
            }
        }

        private void updateFirstPassAdminKeyPressed(java.awt.event.KeyEvent evt) {

        }

        private void updateSecondPasswordAdminKeyPressed(java.awt.event.KeyEvent
            evt) {
            if (evt.getKeyCode() == KeyEvent.VK_ENTER) {
                String name1 = String.valueOf(updateFirstPassAdmin.getPassword());
                if (!name1.equals("")) {
                    String pass2 =
                        String.valueOf(updateSecondPasswordAdmin.getPassword());
                    if(pass2.equals(name1)){
                        String query = "UPDATE ‘RegistrationForAdmin‘ SET
                            ‘u_f_pass‘= ? WHERE ‘u_u_name‘= ?";
                        updateUserInfor(query, name1);
                        String query1 = "UPDATE ‘RegistrationForAdmin‘ SET
                            ‘u_r_pass‘= ? WHERE ‘u_u_name‘= ?";
                        updateUserInfor(query1, pass2);


                        JOptionPane.showMessageDialog(null, "Successfully updated
                            ");
                        updateFirstPassAdmin.setEnabled(false);
                        updateFirstPassAdmin.setText("");
                        firstPassLabelAdmin.setEnabled(false);
                        updateSecondPasswordAdmin.setEnabled(false);
                        updateSecondPasswordAdmin.setText("");
                        secondPassLabelAdmin.setEnabled(false);
                    }else{
                        JOptionPane.showMessageDialog(null, "Password doesn’t
                            match");
                        updateSecondPasswordAdmin.requestFocus();
                    }

                }else{
                }
            }
        }

        public void updateUserInfor(String query, String info){
            PreparedStatement psForStatusUpdate;
            //ResultSet resultSetForStatusUpdate;
            try {
```

```java
        psForStatusUpdate =
            DatabaseConnection.getConnection().prepareStatement(query);
        psForStatusUpdate.setString(1, info);
        psForStatusUpdate.setString(2, name);
        psForStatusUpdate.executeUpdate();
    } catch (SQLException ex) {
        Logger.getLogger(SignInClassForAdmin.class.getName()).log(Level.SEVERE,
            null, ex);
    }
}


/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
        code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the
        default look and feel.
     * For details see
         http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(PersonalInfoFrameForAdmin.class.getName()).log
            null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(PersonalInfoFrameForAdmin.class.getName()).log
            null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(PersonalInfoFrameForAdmin.class.getName()).log
            null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(PersonalInfoFrameForAdmin.class.getName()).log
            null, ex);
    }
    //</editor-fold>
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
```

```
        public void run() {
            new PersonalInfoFrameForAdmin().setVisible(true);
        }
    });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel firstPassLabelAdmin;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JLabel secondPassLabelAdmin;
    private javax.swing.JLabel showEmailForAdminOnPersonalInfoFrame;
    private javax.swing.JLabel showNameForAdminOnPersonalInfoFrame;
    private javax.swing.JTextField updateEmailAdmin;
    private javax.swing.JButton updateEmailButtonAdmin;
    private javax.swing.JPasswordField updateFirstPassAdmin;
    private javax.swing.JTextField updateNameAdmin;
    private javax.swing.JButton updateNameButtonAdmin;
    private javax.swing.JButton updatePassButtonAdmin;
    private javax.swing.JPasswordField updateSecondPasswordAdmin;
    private javax.swing.JButton updatedButtonAdmin;
    // End of variables declaration
}
```

5.4.5 Database Connection

```
package DatabaseConnection;

import com.mysql.jdbc.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

public class DatabaseConnection {
    // Database root and pass
    private static final String UserName = "root";// user name of database
    private static final String Password = "";// password of database
    private static final String ConnectionString =
        "jdbc:mysql://localhost/ResturentManagement";// connection with
        database

    // for database connection
    public static Connection getConnection() throws SQLException{
        Connection conn = null;// connection instances
        try {
            Class.forName("com.mysql.jdbc.Driver");
```

```
        conn = (Connection) DriverManager.getConnection(ConnectionString,
            UserName, Password);
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(DatabaseConnection.class.getName()).log(Level.SEVERE,
            null, ex);
    }

    return conn;
    }
}
```

5.4.6 Sign UP

Figure 15: Design for Add new foods

```
    /*
 * To change this license header, choose License Headers in Project
    Properties.
 * To change this template file, choose Tools | Templates
```

```java
 * and open the template in the editor.
 */
package FoodAddOnDatabase;

import DatabaseConnection.DatabaseConnection;
import HomeActivity.MainActivity;
import RegistrationPackage.SignUpClass;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JFrame;
import javax.swing.JOptionPane;

public class Appetizers extends javax.swing.JFrame {

    /**
     * Creates new form AddMeal
     */
    public Appetizers() {
        initComponents();
        setLocationRelativeTo(null);
        setResizable(false);
    }

    /**
     * This method is called from within the constructor to initialize the
        form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        meal_name_in_add_class = new javax.swing.JTextField();
        price_name_in_add_class = new javax.swing.JTextField();
        save_button_for_add_class = new javax.swing.JButton();
        cancell_button_for_add_class = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        Details_name_in_add_class = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Ubuntu", 3, 18)); // NOI18N
        jLabel1.setText("Add cousions Name and Price");
```

```java
jLabel2.setText("Name");

jLabel3.setText("Price");

meal_name_in_add_class.setToolTipText("Enter name of meal");

price_name_in_add_class.setToolTipText("Enter price of meal");

save_button_for_add_class.setText("Save");
save_button_for_add_class.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        save_button_for_add_classMouseClicked(evt);
    }
});

cancell_button_for_add_class.setText("Cancel");
cancell_button_for_add_class.addMouseListener(new
    java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        cancell_button_for_add_classMouseClicked(evt);
    }
});

jLabel4.setText("Details");

Details_name_in_add_class.setToolTipText("Enter price of meal");

javax.swing.GroupLayout layout = new
    javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILI
            false)
            .addGroup(layout.createSequentialGroup()
                .addGap(30, 30, 30)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    .addComponent(jLabel2)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4))
                .addGap(77, 77, 77)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment
                    false)
                    .addComponent(jLabel1,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
                          Short.MAX_VALUE)
                    .addComponent(meal_name_in_add_class)
                    .addComponent(price_name_in_add_class)
                    .addComponent(Details_name_in_add_class)))
            .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
                layout.createSequentialGroup()
                .addGap(98, 98, 98)
                .addComponent(cancell_button_for_add_class)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    Short.MAX_VALUE)
                .addComponent(save_button_for_add_class)
                .addGap(9, 9, 9)))
        .addContainerGap(132, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(30, 30, 30)
        .addComponent(jLabel1)
        .addGap(39, 39, 39)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELI
            .addComponent(jLabel2)
            .addComponent(meal_name_in_add_class,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(45, 45, 45)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
            .addComponent(jLabel3)
            .addComponent(price_name_in_add_class,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(59, 59, 59)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
            .addComponent(Details_name_in_add_class,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
            .addGroup(layout.createSequentialGroup()
                .addGap(54, 54, 54)
                .addComponent(cancell_button_for_add_class))
            .addGroup(layout.createSequentialGroup()
                .addGap(46, 46, 46)
                .addComponent(save_button_for_add_class)))
        .addGap(248, 248, 248))
```

```java
    );

    pack();
}// </editor-fold>

private void
    cancell_button_for_add_classMouseClicked(java.awt.event.MouseEvent
    evt) {
    MainActivity homepage = new MainActivity();
    homepage.setVisible(true);
    homepage.setLocationRelativeTo(null);
    homepage.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    dispose();
}

private void
    save_button_for_add_classMouseClicked(java.awt.event.MouseEvent evt) {
    String mName = meal_name_in_add_class.getText().toString().trim();
    //float mPrice =
        Float.valueOf(price_name_in_add_class.getText().toString());
    if (!mName.equals("")) {
        String mPrice = price_name_in_add_class.getText().toString();
        if (!mPrice.equals("")) {
            String apDetails =
                Details_name_in_add_class.getText().toString();
            if (!apDetails.equals("")) {
                try {
                    float m_price = (float) Integer.parseInt(mPrice);

                    PreparedStatement ps;
                    String query = "INSERT INTO `APPETIZERS`(`app_name`,
                        `app_price`, `details_of_App`) VALUES (?,?,?)";

                    try {

                        ps =
                            DatabaseConnection.getConnection().prepareStatement(query);

                        ps.setString(1, mName);
                        ps.setFloat(2, m_price);
                        ps.setString(3, apDetails);

                        if (ps.executeUpdate() > 0) {
                            JOptionPane.showMessageDialog(null, "New value
                                Add");
                            MainActivity homepage = new MainActivity();
                            homepage.setVisible(true);
                            homepage.setLocationRelativeTo(null);
                            homepage.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```java
                    dispose();
                }

            } catch (SQLException ex) {
                Logger.getLogger(SignUpClass.class.getName()).log(Level.SEVERE,
                    null, ex);
            }
        } catch (NumberFormatException en) {
            JOptionPane.showMessageDialog(rootPane, "Enter Float
                value");
            price_name_in_add_class.setText("");
            price_name_in_add_class.requestFocus();
        }
    }else{
        Details_name_in_add_class.setText("");
        Details_name_in_add_class.requestFocus();
    }

    } else {
        JOptionPane.showMessageDialog(rootPane, "Enter correct value");
        price_name_in_add_class.setText("");
        price_name_in_add_class.requestFocus();
    }
} else {
    JOptionPane.showMessageDialog(rootPane, "Enter correct name");
    meal_name_in_add_class.setText("");
    meal_name_in_add_class.requestFocus();
}

}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
        code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the
        default look and feel.
     * For details see
         http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
```

```java
                    }
                }
            } catch (ClassNotFoundException ex) {
                java.util.logging.Logger.getLogger(Appetizers.class.getName()).log(java.util.logg
                    null, ex);
            } catch (InstantiationException ex) {
                java.util.logging.Logger.getLogger(Appetizers.class.getName()).log(java.util.logg
                    null, ex);
            } catch (IllegalAccessException ex) {
                java.util.logging.Logger.getLogger(Appetizers.class.getName()).log(java.util.logg
                    null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {
                java.util.logging.Logger.getLogger(Appetizers.class.getName()).log(java.util.logg
                    null, ex);
            }
            //</editor-fold>
            //</editor-fold>
            //</editor-fold>
            //</editor-fold>

            /* Create and display the form */
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    new Appetizers().setVisible(true);
                }
            });
        }

        // Variables declaration - do not modify
        private javax.swing.JTextField Details_name_in_add_class;
        private javax.swing.JButton cancell_button_for_add_class;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JLabel jLabel4;
        private javax.swing.JTextField meal_name_in_add_class;
        private javax.swing.JTextField price_name_in_add_class;
        private javax.swing.JButton save_button_for_add_class;
        // End of variables declaration
}
```

Database Query

```sql
1.   Create database ResturentManagement;

2.   CREATE TABLE RegistrationForAdmin (
     u_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
     u_f_name varchar(80),
     u_l_name varchar(80),
```

```
7    u_u_name varchar(80),
8    U_mail varchar(50),
9    u_f_pass varchar(20),
10   u_r_pass varchar(20),
11   status int(11)
12   PRIMARY KEY (u_id)
13   )ENGINE=InnoDB DEFAULT CHARSET=utf8;

15   3. CREATE TABLE Salad (
16   sl_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
17   sl_name varchar(255),
18   sl_price float(10, 2),
19   sl_details varchar(255),
20   PRIMARY KEY (sl_id)
21   )ENGINE=InnoDB DEFAULT CHARSET=utf8;

23   4. CREATE TABLE Soups (
24   so_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
25   so_name varchar(255),
26   so_price float(10, 2),
27   so_details varchar(255),
28   PRIMARY KEY (so_id)
29   )ENGINE=InnoDB DEFAULT CHARSET=utf8;

31   5. CREATE TABLE Chicken (
32   ck_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
33   ck_name varchar(255),
34   ck_price float(10, 2),
35   ck_details varchar(255),
36   PRIMARY KEY (ck_id)
37   )ENGINE=InnoDB DEFAULT CHARSET=utf8;

39   6. CREATE TABLE Pork (
40   po_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
41   po_name varchar(255),
42   po_price float(10, 2),
43   po_details varchar(255),
44   PRIMARY KEY (po_id)
45   )ENGINE=InnoDB DEFAULT CHARSET=utf8;

47   7. CREATE TABLE BeefLamb (
48   bl_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
49   bl_name varchar(255),
50   bl_price float(10, 2),
51   bl_details varchar(255),
52   PRIMARY KEY (bl_id)
```

```
53      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

54

55      8. CREATE TABLE SeaFood (
56      sf_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
57      sf_name varchar(255),
58      sf_price float(10, 2),
59      sf_details varchar(255),
60      PRIMARY KEY (sf_id)
61      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

62

63      9. CREATE TABLE NoddlesRice (
64      nr_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
65      nr_name varchar(255),
66      nr_price float(10, 2),
67      nr_details varchar(255),
68      PRIMARY KEY (nr_id)
69      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

70

71      10. CREATE TABLE VegeTofu (
72      vt_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
73      vt_name varchar(255),
74      vt_price float(10, 2),
75      vt_details varchar(255),
76      PRIMARY KEY (vt_id)
77      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

78

79      11. CREATE TABLE ClientOrderList (
80      col_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
81      col_name varchar(255),
82      col_price float(10, 2),
83      UserName varchar(255),
84      PRIMARY KEY (col_id)
85      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

86

87      12. ALTER TABLE 'ClientOrderList' ADD 'UserName' VARCHAR(255) NOT
            NULL AFTER 'col_price';

88

89      13. CREATE TABLE RankList (
90      rl_id TINYINT UNSIGNED NOT NULL AUTO_INCREMENT,
91      rl_name varchar(255),
92      rl_score int,
93      rl_comments varchar(255),
94      PRIMARY KEY (rl_id)
95      )ENGINE=InnoDB DEFAULT CHARSET=utf8;

96

97      14. ALTER TABLE 'Registration' ADD 'reward_point' float(10, 2) NOT
```

```
      NULL AFTER 'status';
```

5.5   Code Documentation

Code documentation is an important part of any software engineering project. Throughout the im- plementation, a JavaDoc tool was used to generate HTML API documentation of the project. The JavaDoc could then be used to provide assistance to any future developer.

5.6   Version Control

Due to the type of development methodology used for this project, incremental backups of the system were required. Version control systems (also known as Revision control) such as Mercurial manage the changes to documents storing each backup in its own revision with the ability to restore back to a particular version in the event of debugging.

5.7   Chapter Summary

This chapter has discussed the interesting aspects from the implementation stage. The next chapter documents the results by demonstrating the working system.

6 Chapter Sixth

Conclusion

6.1 Chapter Overview

This chapters draws the project report to a close and reflects on the design decisions made throughout. It also discusses possible future development ideas.

6.2 Project Overview

The system achieved all of its proposed priority 1 and priority 2 functional requirements and even some priority 3 outlined in Section 3.4. However, the initial project plan and gannt chart had to be modified as the project became about a month behind due to underestimations on the time to implement some desired features. This meant that some of the lower priority requirements had to be scrapped.

6.3 Further Development

This project was developed under time constraints of 120 hours. Therefore the proposed features specified in the requirements were what the developer thought to be realistic targets. However, if more time became available the following could be implemented.

6.3.1 Graphical User Interface (GUI)

Currently the GUI was adequate to do the job but maybe the GUI could have had a more appealing look and feel. This all beckons on whether or not Java was the best programming language to use to generate the best looking GUI. Maybe a web developed GUI could have been a better alternative but with the developer having little experience in web development this would not have been ideal.

6.3.2 Table Management

A feature that was thought of as a possibility but never documented past the design stage was the use of a table management feature. This would give the system the ability to reserve and allocate tables. The table data could then be used to help predict how busy the restaurant may be and help prepare the staff rota.

6.4 Reflection

On reflection, even though the majority of the proposed features were completed and the project was deemed a huge success, the author felt that he

could have been more disciplined in keeping to the plan. He also felt that the proposed features were slightly unrealistic and some even unnecessary. For the general project, the author felt that important aspects of research were not undertaken including interviews with restaurant owners and user questionnaires. This would have provided good insight into existing solutions.

6.5 Skills Attained

This project has helped the author to attain new skills as well as develop existing skills. The skills attained have been both technical and individual with the main individual skill being project manage- ment which required good time keeping and management of the workload.
Some technical skills that have been developed include:

- Advanced coding using the Java Swing interface.

- Relational database schema design and trigger coding.

- Advanced coding using Java threads.

6.6 Chapter Summary

This chapter has concluded the project report and provided an insight into possible future development.

References

[1] C. Murphy, "Improving application quality using test-driven development (tdd)," 2009. [Online]. Available: http://www.methodsandtools.com/archive/archive.php?id=20

[2] H. db, "Database comparison," Accessed on 13 September, 2009. [Online]. Available: http://hsqldb.org/images/imola_retrieve.jpg

[3] G. Elliot, "Iglobal business information technology: an integrated systems approach," 2004.

[4] A. Manifesto, "Principles behind agile manifesto," Accessed on 20 September, 2009. [Online]. Available: http://www.agilemanifesto.org/principles.html

[5] B. Dictionary, "Stakeholder," Accessed on 2 April, 2010. [Online]. Available: http://www.businessdictionary.com/definition/stakeholder.html

[6] I. Alexander, "Computing and control engineering," April 2003.