

description of the application.

This application is a front management for a restaurant that can be used for customers and also for the management team inside said restaurant.

Can be used by customers for inserting food orders and the choice of dining and then it can be used by management for checking the orders made by those customers

Brief explanation of the logic

The main logic behind the application is using the ability to read and write Files so by using `buffer writer` we were able to transfer the information from the J frame into the file, and by using `scanner` we were able to read the file as an output.

the steps for the application :

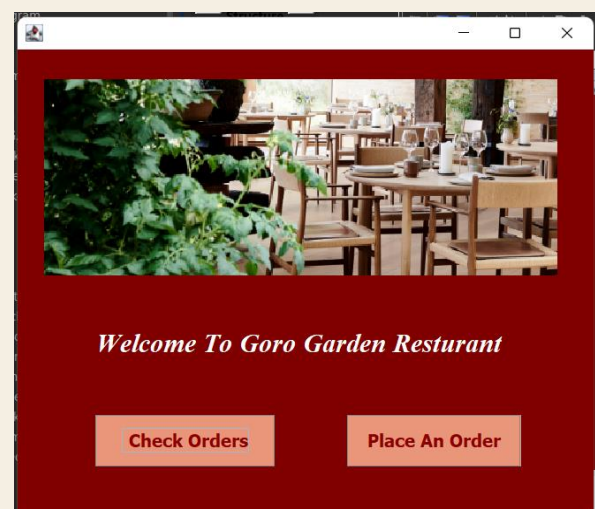
The first page will be the main screen where the customer will choose the button that says place order then they will be moved to the other frame that says food menu where they can choose their menu items and they can choose whether to dine in or take it as delivery, once they finish their choice, they can click the button that says send order then it will be saved into a file.

the manager will go to the same first main screen page and click check orders once they do that there will be moved to a login page where only those who have the admin password can login, once they are successfully in they will be moved to a page called orders list in that page they will be able to recall the order placed by the customer from the file then they can make the order.

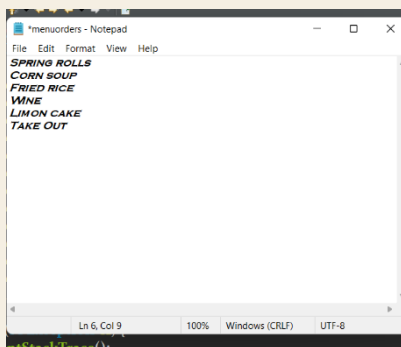
Screen shots :

This is the first page “main screen”

Whereas the customer will choose “place an order” and as a manger will choose “check orders”



As customer once you choose “place an order” you will be moved to this page to place your order that will be sent a file called menuorders once you click “send order”



“menuorders”

this is the file where you will see the orders that were placed by the customers

As manger once you choose “check orders”

You will be moved to a login page and asked to enter the password.

When done right you will be moved to “orders list”

“orders list” when the manger open this page he will be able to recall the orders using “get orders” button.

After that by clicking “main menu” he will return to the first frame.

```
<terminated> FileIO [Java Application] C:\Users\hp\OneDrive\Docu
Spring rolls
Corn soup
Fried rice
Wine
Limon cake
Take Out
```

Source codes :

"main screen"

```
package pl.hw;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import java.awt.Color;
import javax.swing.JLabel;
import javax.swing.JButton;
import javax.swing.ImageIcon;
import java.awt.Font;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class MainScreen extends JFrame {

    private JPanel contentPane;

    /**
     * Launch the application.
     */
}
```

```
public static void main(String[] args) {  
    EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            try {  
                MainScreen frame = new MainScreen();  
                frame.setVisible(true);  
            } catch (Exception e) {  
                e.printStackTrace();  
            }  
        }  
    });  
}
```

```
/**
```

```
 * Create the frame.
```

```
 */
```

```
public MainScreen() {  
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
    setBounds(100, 100, 536, 467);  
    contentPane = new JPanel();  
    contentPane.setBackground(new Color(128, 0, 0));  
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));  
    setContentPane(contentPane);  
    contentPane.setLayout(null);  
  
    JLabel lblNewLabel = new JLabel("New label");
```

```
lblNewLabel.setIcon(new  
ImageIcon("C:\\Users\\hp\\Downloads\\No1-World-Restaurants-  
Homepage.png"));
```

```
lblNewLabel.setBounds(24, 28, 465, 180);  
contentPane.add(lblNewLabel);
```

```
JButton btnNewButton = new JButton("Place An Order");  
btnNewButton.setForeground(new Color(139, 0, 0));  
btnNewButton.setBackground(new Color(233, 150, 122));  
btnNewButton.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e) {  
        FoodMenu fm = new FoodMenu();  
        fm.setVisible(true);  
    }  
});  
btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 16));  
btnNewButton.setBounds(299, 336, 157, 47);  
contentPane.add(btnNewButton);
```

```
JButton btnNewButton_1 = new JButton(" Check Orders");  
btnNewButton_1.setBackground(new Color(233, 150, 122));  
btnNewButton_1.setForeground(new Color(139, 0, 0));  
btnNewButton_1.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e) {  
        MangerLogin ml = new MangerLogin();  
        ml.setVisible(true);  
    }  
});
```

```
});  
btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 16));  
btnNewButton_1.setBounds(71, 336, 162, 47);  
contentPane.add(btnNewButton_1);  
  
JLabel lblNewLabel_1 = new JLabel("Welcome To Goro Garden  
Resturant");  
lblNewLabel_1.setForeground(new Color(255, 255, 255));  
lblNewLabel_1.setFont(new Font("Times New Roman", Font.BOLD  
| Font.ITALIC, 24));  
lblNewLabel_1.setBounds(71, 251, 418, 39);  
contentPane.add(lblNewLabel_1);  
}  
}
```

"FoodMenu"

```
package pl.hw;  
  
import java.awt.BorderLayout;  
import java.awt.EventQueue;  
  
import javax.swing.JFrame;  
import javax.swing.JPanel;  
import javax.swing.border.EmptyBorder;  
  
import java.awt.Color;  
import javax.swing.JLabel;  
import javax.swing.JComboBox;
```

```
import javax.swing.JRadioButton;

import javax.swing.JButton;

import java.awt.Font;

import javax.swing.ButtonGroup;

import javax.swing.DefaultComboBoxModel;

import java.awt.event.ActionListener;

import java.io.BufferedWriter;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import java.util.ArrayList;

import java.awt.event.ActionEvent;

public class FoodMenu extends JFrame {

    private JPanel contentPane;

    static ArrayList<Costumers> menu = new ArrayList<Costumers>();

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    FoodMenu frame = new FoodMenu();
```

```
        frame.setVisible(true);
    } catch (Exception e) {
        e.printStackTrace();
    }
}

});
}

/**
 * Create the frame.
 */
public FoodMenu() {
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(100, 100, 392, 452);
    contentPane = new JPanel();
    contentPane.setBackground(new Color(128, 0, 0));
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lblap = new JLabel("Appetizer");
    lblap.setFont(new Font("Tahoma", Font.BOLD, 11));
    lblap.setForeground(Color.WHITE);
    lblap.setBounds(29, 27, 92, 21);
    contentPane.add(lblap);
```



```
JComboBox cbap = new JComboBox();
cbap.setModel(new DefaultComboBoxModel
(new String[] {"Chicken fingers", "Spring rolls", "Mantra"}));
cbap.setBounds(29, 66, 92, 21);
contentPane.add(cbap);
```

```
JLabel lblNewLabel_1 = new JLabel("Soup");
lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_1.setForeground(Color.WHITE);
lblNewLabel_1.setBounds(29, 119, 77, 21);
contentPane.add(lblNewLabel_1);
```

```
JComboBox cbsp = new JComboBox();
cbsp.setModel(new DefaultComboBoxModel
(new String[] {"Chicken soup", "Corn soup", "Mix veggy soup"}));
cbsp.setBounds(29, 159, 92, 21);
contentPane.add(cbsp);
```

```
JLabel lblNewLabel_2 = new JLabel("Main Course");
lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_2.setForeground(Color.WHITE);
lblNewLabel_2.setBounds(29, 221, 92, 21);
contentPane.add(lblNewLabel_2);
```

```
JComboBox cbmc = new JComboBox();
cbmc.setModel(new DefaultComboBoxModel
```


```
(new String[] {"BBQ meats", "Burgers", "Pasta", "Fried rice"}));  
cbmc.setBounds(29, 270, 92, 21);  
contentPane.add(cbmc);
```

```
JLabel lblNewLabel_3 = new JLabel("Drink");  
lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 11));  
lblNewLabel_3.setForeground(Color.WHITE);  
lblNewLabel_3.setBounds(242, 27, 77, 21);  
contentPane.add(lblNewLabel_3);
```

```
JComboBox cbdr = new JComboBox();  
cbdr.setModel(new DefaultComboBoxModel  
(new String[] {"Soft drinks", "Water", "Wine", "Fresh juice"}));  
cbdr.setBounds(242, 66, 92, 21);  
contentPane.add(cbdr);
```

```
JLabel lblNewLabel_4 = new JLabel("Dessert");  
lblNewLabel_4.setFont(new Font("Tahoma", Font.BOLD, 11));  
lblNewLabel_4.setForeground(Color.WHITE);  
lblNewLabel_4.setBounds(242, 119, 57, 21);  
contentPane.add(lblNewLabel_4);
```

```
JComboBox comboBox_4 = new JComboBox();  
comboBox_4.setModel(new DefaultComboBoxModel  
(new String[] {"Cheese cake", "Limon cake", "Cookies",  
"Tirameso", "Waffels", "Creaps", "Fruites"}));  
comboBox_4.setBounds(242, 159, 92, 21);
```



```
contentPane.add(comboBox_4);
```

```
JLabel lblNewLabel_5 = new JLabel("Dining option");  
lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 11));  
lblNewLabel_5.setForeground(Color.WHITE);  
lblNewLabel_5.setBounds(242, 221, 92, 21);  
contentPane.add(lblNewLabel_5);
```

```
JRadioButton rdbtnin = new JRadioButton("Dining In");  
rdbtnin.setBackground(new Color(233, 150, 122));  
rdbtnin.setFont(new Font("Tahoma", Font.BOLD, 11));  
rdbtnin.setForeground(Color.WHITE);  
rdbtnin.setBounds(242, 258, 103, 21);  
contentPane.add(rdbtnin);
```

```
JRadioButton rdbtnout = new JRadioButton("Take Out");  
rdbtnout.setForeground(Color.WHITE);  
rdbtnout.setFont(new Font("Tahoma", Font.BOLD, 11));  
rdbtnout.setBackground(new Color(233, 150, 122));  
rdbtnout.setBounds(242, 280, 103, 21);  
contentPane.add(rdbtnout);
```

```
ButtonGroup bgt = new ButtonGroup();  
bgt.add(rdbtnin);  
bgt.add(rdbtnout);
```

```
        JButton btnsend = new JButton("Send Order");
        btnsend.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {

                File order = new
File("C:/Users/hp/OneDrive/Desktop/menuorders");
                try {

                    FileWriter fwrite = new FileWriter(order,true);
                    BufferedWriter bwfwrite = new
BufferedWriter(fwrite);

                    for (Costumers cos : menu) {

                        bwfwrite.write(cos.Appetizer);
                        bwfwrite.newLine();
                        bwfwrite.write(cos.Soup);
                        bwfwrite.newLine();
                        bwfwrite.write(cos.Main );
                        bwfwrite.newLine();
                        bwfwrite.write(cos.Drink);
                        bwfwrite.newLine();
                        bwfwrite.write(cos.Dessert);
                        bwfwrite.newLine();
                        bwfwrite.write(cos.Dining);
                        bwfwrite.newLine();

                        bwfwrite.close();
```

```
        }  
        } catch (IOException e1) {  
            e1.printStackTrace();  
        }  
    }  
});  
btnsend.setForeground(new Color(139, 0, 0));  
btnsend.setBackground(new Color(233, 150, 122));  
btnsend.setFont(new Font("Tahoma", Font.BOLD, 11));  
btnsend.setBounds(134, 339, 103, 21);  
contentPane.add(btnsend);  
}  
}
```

"MangerLogin"

```
package pl.hw;  
  
import java.awt.BorderLayout;  
import java.awt.EventQueue;  
import javax.swing.JFrame;  
import javax.swing.JPanel;  
import javax.swing.border.EmptyBorder;  
import java.awt.Color;  
import javax.swing.JLabel;  
import java.awt.Font;  
import javax.swing.JTextField;  
import javax.swing.JButton;
```

```
import javax.swing.JPasswordField;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class MangerLogin extends JFrame {

    private JPanel contentPane;
    private JTextField textusername;
    private JPasswordField passwordField;
    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    MangerLogin frame = new MangerLogin();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
```

```
* Create the frame.  
*/  
public MangerLogin() {  
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
    setBounds(100, 100, 346, 279);  
    contentPane = new JPanel();  
    contentPane.setBackground(new Color(128, 0, 0));  
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));  
    setContentPane(contentPane);  
    contentPane.setLayout(null);  
  
    JLabel lblusername = new JLabel("Username");  
    lblusername.setFont(new Font("Tahoma", Font.BOLD, 15));  
    lblusername.setForeground(new Color(245, 245, 245));  
    lblusername.setBounds(35, 39, 101, 23);  
    contentPane.add(lblusername);  
  
    textusername = new JTextField();  
    textusername.setBounds(181, 43, 96, 23);  
    contentPane.add(textusername);  
    textusername.setColumns(10);  
  
    JLabel lblpassword = new JLabel("Password");  
    lblpassword.setForeground(new Color(245, 245, 245));  
    lblpassword.setFont(new Font("Tahoma", Font.BOLD, 15));  
    lblpassword.setBounds(35, 112, 101, 23);
```

```
        contentPane.add(lblpassword);

        JButton btnNewButton = new JButton("Login");
        btnNewButton.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                if(textusername.getText().equals("manger") &&
passwordField.getText().equals("00251911")) {
                    OrdersList ol = new OrdersList();
                    ol.setVisible(true);
                }
            }
        });
        btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 12));
        btnNewButton.setForeground(new Color(139, 0, 0));
        btnNewButton.setBackground(new Color(233, 150, 122));
        btnNewButton.setBounds(181, 185, 96, 23);
        contentPane.add(btnNewButton);

        passwordField = new JPasswordField();
        passwordField.setBounds(181, 116, 96, 23);
        contentPane.add(passwordField);
    }
}
```

"Costumers"

```
package pl.hw;

public class Costumers {
```


String Appetizer,Soup,Main,Drink;

String Dessert,Dining;

}

"OrdersList"

package pl.hw;

import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import java.awt.Color;

import javax.swing.JList;

import javax.swing.DefaultListModel;

import javax.swing.JButton;

import java.awt.Font;

import java.awt.event.ActionListener;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.util.Scanner;

```
import java.awt.event.ActionEvent;
```

```
import javax.swing.JTextPane;
```

```
public class OrdersList extends JFrame {
```

```
    private JPanel contentPane;
```

```
    /**
```

```
     * Launch the application.
```

```
     */
```

```
    public static void main(String[] args) {
```

```
        EventQueue.invokeLater(new Runnable() {
```

```
            public void run() {
```

```
                try {
```

```
                    OrdersList frame = new OrdersList();
```

```
                    frame.setVisible(true);
```

```
                } catch (Exception e) {
```

```
                    e.printStackTrace();
```

```
                }
```

```
            }
```

```
        });
```

```
    }
```

```
    /**
```

```
     * Create the frame.
```

```
     */
```

```
public OrdersList() {  
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
    setBounds(100, 100, 250, 240);  
    contentPane = new JPanel();  
    contentPane.setBackground(new Color(128, 0, 0));  
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));  
    setContentPane(contentPane);  
    contentPane.setLayout(null);  
  
    JButton btnNewButton = new JButton("Get Orders");  
    btnNewButton.addActionListener(new ActionListener() {  
        public void actionPerformed(ActionEvent e) {  
  
            File order = new File  
("C:/Users/hp/OneDrive/Desktop/menuorders");  
  
            Scanner scan = new Scanner(order);  
  
            while (scan.hasNextLine() ) {  
                System.out.println(scan.nextLine() ); {  
                }  
            }  
        }  
    });  
    btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 15));  
    btnNewButton.setForeground(new Color(139, 0, 0));  
    btnNewButton.setBackground(new Color(233, 150, 122));  
}
```

```
btnNewButton.setBounds(39, 49, 162, 38);
```

```
contentPane.add(btnNewButton);
```

```
JButton btnNewButton_1 = new JButton("Main Menu");
```

```
btnNewButton_1.addActionListener(new ActionListener() {
```

```
    public void actionPerformed(ActionEvent e) {
```

```
        MainScreen ms = new MainScreen();
```

```
        ms.setVisible(true);
```

```
    }
```

```
});
```

```
btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 10));
```

```
btnNewButton_1.setForeground(new Color(139, 0, 0));
```

```
btnNewButton_1.setBackground(new Color(233, 150, 122));
```

```
btnNewButton_1.setBounds(65, 134, 96, 21);
```

```
contentPane.add(btnNewButton_1);
```

```
}
```

```
}
```