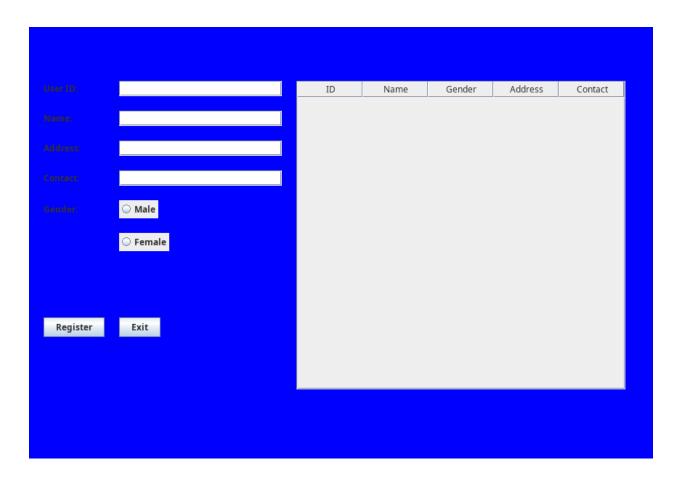Question two:

/*import javax.swing.*;

import java.awt.*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to

change this license

*/

```java
package com.mycompany.registrationform4;

import java.awt.Color;

import java.awt.GridBagConstraints;

import java.awt.GridBagLayout;

import java.awt.Insets;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.ButtonGroup;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JRadioButton;

import javax.swing.JScrollPane;
```

```java
import javax.swing.JTable;

import javax.swing.JTextField;

import javax.swing.table.DefaultTableModel;

/**
 *
 * @author muhia
 */

public class UserForm extends JFrame {

    // Constructor to set up the GUI

    public UserForm() {

        // Set the frame title

        setTitle("User Information Form");

        // Set the layout manager
```

```java
setLayout(new GridBagLayout());

GridBagConstraints gbc = new GridBagConstraints();

gbc.insets = new Insets(10, 10, 10, 10); // Add padding


// Create components

JLabel idLabel = new JLabel("User ID:");

JTextField idField = new JTextField(20); // Enlarge text fields


JLabel nameLabel = new JLabel("Name:");

JTextField nameField = new JTextField(20); // Enlarge text fields


JLabel addressLabel = new JLabel("Address:");

JTextField addressField = new JTextField(20); // Enlarge text fields


JLabel contactLabel = new JLabel("Contact:");

JTextField contactField = new JTextField(20); // Enlarge text fields
```

```java
JLabel genderLabel = new JLabel("Gender:");

JRadioButton maleButton = new JRadioButton("Male");

JRadioButton femaleButton = new JRadioButton("Female");


// Group the radio buttons

ButtonGroup genderGroup = new ButtonGroup();

genderGroup.add(maleButton);

genderGroup.add(femaleButton);


JButton registerButton = new JButton("Register");

JButton exitButton = new JButton("Exit");


// Create table to display user information

String[] columnNames = {"ID", "Name", "Gender", "Address", "Contact"};

DefaultTableModel tableModel = new DefaultTableModel(columnNames, 0);
```

```java
JTable userTable = new JTable(tableModel);

JScrollPane tableScrollPane = new JScrollPane(userTable);


// Add components to the frame

// Left-side components (input fields)

gbc.gridx = 0;

gbc.gridy = 0;

gbc.anchor = GridBagConstraints.WEST;

add(idLabel, gbc);



gbc.gridx = 1;

add(idField, gbc);



gbc.gridx = 0;

gbc.gridy = 1;

add(nameLabel, gbc);
```

```java
        gbc.gridx = 1;

        add(nameField, gbc);



        gbc.gridx = 0;

        gbc.gridy = 2;

        add(addressLabel, gbc);



        gbc.gridx = 1;

        add(addressField, gbc);



        gbc.gridx = 0;

        gbc.gridy = 3;

        add(contactLabel, gbc);



        gbc.gridx = 1;
```

```java
add(contactField, gbc);


gbc.gridx = 0;

gbc.gridy = 4;

add(genderLabel, gbc);



gbc.gridx = 1;

add(maleButton, gbc);



gbc.gridx = 1;

gbc.gridy = 5;

add(femaleButton, gbc);



gbc.gridx = 0;

gbc.gridy = 6;

add(registerButton, gbc);
```

```java
        gbc.gridx = 1;

        add(exitButton, gbc);


        // Right-side component (table for displaying data)

        gbc.gridx = 2;

        gbc.gridy = 0;

        gbc.gridheight = 7; // Span vertically across all input fields

        gbc.fill = GridBagConstraints.BOTH; // Make table expand

        add(tableScrollPane, gbc);


        // Action listener for Register button

        registerButton.addActionListener((ActionEvent e) -> {

            String id = idField.getText();

            String name1 = nameField.getText();

            String address = addressField.getText();
```

```java
        String contact = contactField.getText();

        String gender = maleButton.isSelected() ? "Male" : (femaleButton.isSelected() ?
"Female" : "Not selected");

        // Validate inputs

        if (id.isEmpty() || name1.isEmpty() || address.isEmpty() || contact.isEmpty() ||
gender.equals("Not selected")) {

            JOptionPane.showMessageDialog(null, "Please fill all fields and select gender!",
"Input Error", JOptionPane.ERROR_MESSAGE);

        } else {

            // Add data to the table

            tableModel.addRow(new Object[]{id, name1, gender, address, contact});

            // Clear input fields

            idField.setText("");

            nameField.setText("");

            addressField.setText("");

            contactField.setText("");

            genderGroup.clearSelection();
```

```java
        }

    });



    // Action listener for Exit button

    exitButton.addActionListener((ActionEvent e) -> {

        System.exit(0); // Exit the application

    });



    // Set frame properties

    getContentPane().setBackground(Color.BLUE); // Set frame background color

    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    setSize(800, 400); // Adjust frame size

    setVisible(true);  // Make frame visible

}



// Main method to run the application
```

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

    UserForm userForm = new UserForm();


}

}
```