1. Create a java application with Swing with pages:
   1. Register page (username, name, password, email, dob)

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import javax.swing.JDesktopPane;

import javax.swing.JLabel;

import javax.swing.JTextField;

import java.awt.Font;

import javax.swing.JPasswordField;

import javax.swing.JButton;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.text.ParseException;

import java.text.SimpleDateFormat;

import java.sql.Date;

import java.awt.event.ActionEvent;

;

public class RegisterPage extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

private JTextField textField;

private JTextField textField\_1;

private JTextField textField\_2;

private JTextField textField\_4;

private JPasswordField passwordField;

static Connection con = null;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

String url = "jdbc:oracle:thin:@localhost:1521:xe"; //System

String username = "system";

String password = "arjun";

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

// DriverManager.registerDriver(new oracle.jdbc.driver.OracleDriver());

con = DriverManager.getConnection(url, username, password);

System.out.println("Connection successful");

}catch(Exception e) {

System.out.println("JDBC Connection failed");

// e.printStackTrace();

}

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

RegisterPage frame = new RegisterPage();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public RegisterPage() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 450, 300);

contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

contentPane.setLayout(null);

JLabel lblNewLabel = new JLabel("Username");

lblNewLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));

lblNewLabel.setBounds(96, 46, 72, 25);

contentPane.add(lblNewLabel);

textField = new JTextField();

textField.setBounds(176, 50, 96, 19);

contentPane.add(textField);

textField.setColumns(10);

JDesktopPane desktopPane = new JDesktopPane();

desktopPane.setBounds(293, 19, 1, 1);

contentPane.add(desktopPane);

JLabel lblNewLabel\_1 = new JLabel("Register Page");

lblNewLabel\_1.setFont(new Font("Tahoma", Font.PLAIN, 16));

lblNewLabel\_1.setBounds(163, 19, 109, 13);

contentPane.add(lblNewLabel\_1);

JLabel lblName = new JLabel("Name");

lblName.setFont(new Font("Tahoma", Font.PLAIN, 13));

lblName.setBounds(96, 79, 72, 25);

contentPane.add(lblName);

textField\_1 = new JTextField();

textField\_1.setColumns(10);

textField\_1.setBounds(176, 79, 96, 19);

contentPane.add(textField\_1);

JLabel lblEmail = new JLabel("Email");

lblEmail.setFont(new Font("Tahoma", Font.PLAIN, 13));

lblEmail.setBounds(96, 107, 72, 25);

contentPane.add(lblEmail);

textField\_2 = new JTextField();

textField\_2.setColumns(10);

textField\_2.setBounds(176, 108, 96, 19);

contentPane.add(textField\_2);

JLabel lblName\_1\_1 = new JLabel("Password");

lblName\_1\_1.setFont(new Font("Tahoma", Font.PLAIN, 13));

lblName\_1\_1.setBounds(96, 133, 72, 25);

contentPane.add(lblName\_1\_1);

JLabel lblName\_1\_1\_1 = new JLabel("Date of birth");

lblName\_1\_1\_1.setFont(new Font("Tahoma", Font.PLAIN, 13));

lblName\_1\_1\_1.setBounds(96, 166, 72, 25);

contentPane.add(lblName\_1\_1\_1);

textField\_4 = new JTextField();

textField\_4.setColumns(10);

textField\_4.setBounds(176, 170, 96, 19);

contentPane.add(textField\_4);

passwordField = new JPasswordField();

passwordField.setBounds(176, 137, 96, 19);

contentPane.add(passwordField);

JButton btnNewButton = new JButton("Submit");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

insertUser(textField.getText(), textField\_1.getText(),

textField\_2.getText(), new String(passwordField.getPassword()), textField\_4.getText());

}

});

btnNewButton.setBounds(187, 213, 85, 21);

contentPane.add(btnNewButton);

}

void insertUser(String username, String name, String email, String password, String dob) {

PreparedStatement stmt = null;

try {

String sql = "INSERT INTO users VALUES(?,?,?,?,?)";

stmt = con.prepareStatement(sql);

stmt.setString(1, username);

stmt.setString(2, name);

stmt.setString(3, email);

stmt.setString(4, password);

stmt.setString(5, dob);;

int row = stmt.executeUpdate();

if(row > 0) {

System.out.println("Register success");

}else {

System.out.println("Register failed");

}

}catch(SQLException e) {

e.printStackTrace();

}

}

Date getDateFromString(String dateString) {

SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");

Date date = null;

try {

date = (Date) sdf.parse(dateString);

} catch (ParseException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

return date;

}

}

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

* 1. Login page (username, password)
  2. Add product page (product id, product name, price, quantity, description)