package chefdonburi;

import java.awt.Color;

import java.awt.Font;

import java.awt.Graphics;

import java.awt.Image;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.WindowAdapter;

import java.awt.event.WindowEvent;

import java.io.File;

import java.io.IOException;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import javax.imageio.ImageIO;

import javax.swing.ImageIcon;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

public final class Home implements ActionListener {

JFrame frmHome;

JPanel pnlHome;

JLabel lblWelcome;

JButton btnUsers, btnInventory, btnExpenses, btnSuppliers, btnReports, btnLogout, btnLogs;

// Background image

private Image backgroundImage;

// User ID (Passed from the Login class)

private int userID;

private String role; // Role to check if the user is admin or not

// Constructor for the Home class, accepts the role and userID

public Home(String role, int userID) {

this.userID = userID; // Receive userID from login

this.role = role; // Receive role from login (admin or user)

// Load the background image

try {

backgroundImage = ImageIO.read(new File("src\\Images\\home\_bg.jpg"));

} catch (IOException e) {

JOptionPane.showMessageDialog(null, "Error loading background image: " + e.getMessage());

}

init(); // Initialize the UI

}

public void init() {

frmHome = new JFrame("Chef Donburi Home");

ImageIcon frameicon = new ImageIcon("src\\Images\\jframeicon.jpg");

Image frame = frameicon.getImage().getScaledInstance(100, 100, Image.SCALE\_SMOOTH);

frmHome.setIconImage(frame);

frmHome.setSize(1266, 668);

frmHome.setLocationRelativeTo(null);

frmHome.setDefaultCloseOperation(JFrame.DO\_NOTHING\_ON\_CLOSE); // Prevent closing immediately

// Add window listener to handle the close button action

frmHome.addWindowListener(new WindowAdapter() {

@Override

public void windowClosing(WindowEvent e) {

confirmAndLogout(); // Confirm logout and log event

}

});

pnlHome = new JPanel() {

@Override

protected void paintComponent(Graphics g) {

super.paintComponent(g);

if (backgroundImage != null) {

g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);

}

}

};

pnlHome.setLayout(null); // Set layout to null for manual positioning

// Welcome label

lblWelcome = new JLabel("Welcome to Inventory!");

lblWelcome.setForeground(new Color(223, 49, 42));

lblWelcome.setFont(new Font("Georgia", Font.BOLD, 40));

lblWelcome.setSize(600, 50);

lblWelcome.setLocation(370, 20); // Adjusted position

pnlHome.add(lblWelcome);

// Users button (only if role is not "user")

ImageIcon usersicon = new ImageIcon("src\\Images\\user.png");

Image users = usersicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

if (!role.equalsIgnoreCase("user")) {

btnUsers = new JButton("Users", new ImageIcon(users));

btnUsers.setForeground(new Color(242, 245, 224));

btnUsers.setBackground(new Color(223, 49, 42));

btnUsers.setFont(new Font("Georgia", Font.BOLD, 20));

btnUsers.setSize(180, 50);

btnUsers.setLocation(50, 100); // Set location based on your desired layout

btnUsers.addActionListener(this);

pnlHome.add(btnUsers);

}

// Logs button (only for admin)

if (role.equalsIgnoreCase("admin")) {

ImageIcon logsicon = new ImageIcon("src\\Images\\logs.png");

Image logs = logsicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnLogs = new JButton("Logs", new ImageIcon(logs));

btnLogs.setForeground(new Color(242, 245, 224));

btnLogs.setBackground(new Color(223, 49, 42));

btnLogs.setFont(new Font("Georgia", Font.BOLD, 20));

btnLogs.setSize(180, 50);

btnLogs.setLocation(50, 30); // Set location

btnLogs.addActionListener(this);

pnlHome.add(btnLogs);

}

// Inventory button

ImageIcon inventoryicon = new ImageIcon("src\\Images\\inventory.png");

Image inventory = inventoryicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnInventory = new JButton("Inventory", new ImageIcon(inventory));

btnInventory.setForeground(new Color(242, 245, 224));

btnInventory.setBackground(new Color(223, 49, 42));

btnInventory.setFont(new Font("Georgia", Font.BOLD, 20));

btnInventory.setSize(180, 50);

btnInventory.setLocation(250, 100); // Set location

btnInventory.addActionListener(this);

pnlHome.add(btnInventory);

// Expenses button

ImageIcon expensesicon = new ImageIcon("src\\Images\\expenses.png");

Image expenses = expensesicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnExpenses = new JButton("Expenses", new ImageIcon(expenses));

btnExpenses.setForeground(new Color(242, 245, 224));

btnExpenses.setBackground(new Color(223, 49, 42));

btnExpenses.setFont(new Font("Georgia", Font.BOLD, 20));

btnExpenses.setSize(180, 50);

btnExpenses.setLocation(450, 100); // Set location

btnExpenses.addActionListener(this);

pnlHome.add(btnExpenses);

// Suppliers button

ImageIcon suppliersicon = new ImageIcon("src\\Images\\suppliers.png");

Image suppliers = suppliersicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnSuppliers = new JButton("Suppliers", new ImageIcon(suppliers));

btnSuppliers.setForeground(new Color(242, 245, 224));

btnSuppliers.setBackground(new Color(223, 49, 42));

btnSuppliers.setFont(new Font("Georgia", Font.BOLD, 20));

btnSuppliers.setSize(180, 50);

btnSuppliers.setLocation(650, 100); // Set location

btnSuppliers.addActionListener(this);

pnlHome.add(btnSuppliers);

// Reports button

ImageIcon reportsicon = new ImageIcon("src\\Images\\reports.png");

Image reports = reportsicon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnReports = new JButton("Reports", new ImageIcon(reports));

btnReports.setForeground(new Color(242, 245, 224));

btnReports.setBackground(new Color(223, 49, 42));

btnReports.setFont(new Font("Georgia", Font.BOLD, 20));

btnReports.setSize(180, 50);

btnReports.setLocation(850, 100); // Set location

btnReports.addActionListener(this);

pnlHome.add(btnReports);

// Logout button

ImageIcon logouticon = new ImageIcon("src\\Images\\logout.png");

Image logout = logouticon.getImage().getScaledInstance(35, 35, Image.SCALE\_SMOOTH);

btnLogout = new JButton("Logout", new ImageIcon(logout));

btnLogout.setForeground(new Color(242, 245, 224));

btnLogout.setBackground(new Color(223, 49, 42));

btnLogout.setFont(new Font("Georgia", Font.BOLD, 20));

btnLogout.setSize(180, 50);

btnLogout.setLocation(1050, 100); // Set location

btnLogout.addActionListener(this);

pnlHome.add(btnLogout);

frmHome.add(pnlHome);

frmHome.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e) {

if (e.getSource() == btnUsers) {

// Open the Users management window

Users users = new Users();

} else if (e.getSource() == btnLogs) {

if (role.equalsIgnoreCase("admin")) {

// Open the Logs window if the user is admin

Logs logs = new Logs();

} else {

// Show error if the user is not an admin

JOptionPane.showMessageDialog(frmHome, "You do not have permission to view the logs.");

}

} else if (e.getSource() == btnInventory) {

Inventory inventory = new Inventory();

} else if (e.getSource() == btnExpenses) {

Expenses expenses = new Expenses();

} else if (e.getSource() == btnSuppliers) {

Suppliers suppliers = new Suppliers();

} else if (e.getSource() == btnReports) {

JOptionPane.showMessageDialog(frmHome, "Reports Feature Not Implemented Yet.");

} else if (e.getSource() == btnLogout) {

confirmAndLogout();

}

}

private void confirmAndLogout() {

int confirmLogout = JOptionPane.showConfirmDialog(frmHome, "Are you sure you want to log out?", "Confirm Logout", JOptionPane.YES\_NO\_OPTION, JOptionPane.QUESTION\_MESSAGE);

if (confirmLogout == JOptionPane.YES\_OPTION) {

logUserLogout(); // Log the logout event

frmHome.dispose(); // Close the home window when Logout button is clicked

new Login().init(); // Go back to login screen

}

}

private void logUserLogout() {

try (Connection connection = new Database().getConnection()) {

String query = "UPDATE logs SET logoutTime = NOW() WHERE userID = ? AND logoutTime IS NULL";

PreparedStatement ps = connection.prepareStatement(query);

ps.setInt(1, userID); // Set the userID

int result = ps.executeUpdate();

if (result > 0) {

System.out.println("Logout event logged successfully.");

} else {

System.out.println("Failed to log the logout event.");

}

} catch (SQLException ex) {

JOptionPane.showMessageDialog(frmHome, "Error logging logout event: " + ex.getMessage());

}

}

public static void main(String[] args) {

int userID = 1; // Example userID passed from the Login class

Home home = new Home("admin", userID); // Pass role and userID

}

}