

```
package MallManagement;

import javax.swing.*;
import java.awt.*;
import MallManagement.UIComponents.*;

public class Dashboard extends JFrame {
    public Dashboard(String username) {
        setTitle("Mall Management System - Dashboard");
        setSize(900, 600);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLocationRelativeTo(null);
        setResizable(false);

        GradientPanel bgPanel = new GradientPanel();
        bgPanel.setLayout(null);

        JLabel welcome = new JLabel("Welcome, Admin!", JLabel.CENTER);
        welcome.setFont(new Font("Segoe UI", Font.BOLD, 32));
        welcome.setForeground(Color.WHITE);
        welcome.setBounds(0, 30, 900, 40);
        bgPanel.add(welcome);

        JPanel topPanel = new JPanel(new GridLayout(2, 3, 25, 25));
        topPanel.setOpaque(false);
        topPanel.setBounds(100, 100, 700, 220);

        RoundedButton shopBtn = new RoundedButton("Shop Management", new Color(41, 128, 185));
        RoundedButton tenantBtn = new RoundedButton("Tenant Management", new Color(52, 152,
219));
        RoundedButton leaseBtn = new RoundedButton("Lease Management", new Color(46, 204, 113));
        RoundedButton billingBtn = new RoundedButton("Billing & Payments", new Color(243, 156, 18));
        RoundedButton maintenanceBtn = new RoundedButton("Maintenance Requests", new
Color(230, 126, 34));
        RoundedButton eventBtn = new RoundedButton("Event Management", new Color(155, 89, 182));

        topPanel.add(shopBtn);
        topPanel.add(tenantBtn);
        topPanel.add(leaseBtn);
```

```
topPanel.add(billingBtn);
topPanel.add(maintenanceBtn);
topPanel.add(eventBtn);
```

```
JPanel bottomPanel = new JPanel(new GridLayout(1, 4, 25, 25));
bottomPanel.setOpaque(false);
bottomPanel.setBounds(100, 360, 700, 100);
```

```
RoundedButton reportsBtn = new RoundedButton("Reports & Analytics", new Color(241, 196,
15));
RoundedButton userBtn = new RoundedButton("User Management", new Color(127, 140, 141));
RoundedButton logoutBtn = new RoundedButton("Logout", new Color(231, 76, 60));
RoundedButton exitBtn = new RoundedButton("Exit", new Color(44, 62, 80));
```

```
bottomPanel.add(reportsBtn);
bottomPanel.add(userBtn);
bottomPanel.add(logoutBtn);
bottomPanel.add(exitBtn);
```

```
Font btnFont = new Font("Segoe UI", Font.BOLD, 16);
for (JButton btn : new JButton[]{shopBtn, tenantBtn, leaseBtn, billingBtn, maintenanceBtn,
eventBtn, reportsBtn, userBtn, logoutBtn, exitBtn}) {
    btn.setFont(btnFont);
}
```

```
bgPanel.add(topPanel);
bgPanel.add(bottomPanel);
add(bgPanel);
```

```
shopBtn.addActionListener(e -> new ShopManagement().setVisible(true));
tenantBtn.addActionListener(e -> new TenantManagement().setVisible(true));
leaseBtn.addActionListener(e -> new LeaseManagement().setVisible(true));
billingBtn.addActionListener(e -> new BillingSystem().setVisible(true));
maintenanceBtn.addActionListener(e -> new MaintenanceRequests(username,
"Admin").setVisible(true));
eventBtn.addActionListener(e -> new EventManagement().setVisible(true));
reportsBtn.addActionListener(e -> new ReportsAnalytics().setVisible(true));
```

```

        userBtn.addActionListener(e -> new UserManagement("Admin").setVisible(true));

        logoutBtn.addActionListener(e -> {
            dispose();
            new LoginScreen().setVisible(true);
        });

        exitBtn.addActionListener(e -> System.exit(0));
    }

    public static void main(String[] args) {
        SwingUtilities.invokeLater(() -> new Dashboard("Admin").setVisible(true));
    }
}

package MallManagement;

import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import MallManagement.UIComponents.*;

public class LoginScreen extends JFrame {
    private JTextField usernameField;
    private JPasswordField passwordField;
    private RoundedButton loginButton, clearButton;

    public LoginScreen() {
        setTitle("Mall Management System - Login");
        setSize(480, 840);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLocationRelativeTo(null);
        setResizable(false);

        GradientPanel bgPanel = new GradientPanel();
        bgPanel.setLayout(null);
        setContentPane(bgPanel);
    }
}

```

```
JLabel title = new JLabel("Mall Management System", SwingConstants.CENTER);
title.setFont(new Font("Segoe UI", Font.BOLD, 24));
title.setForeground(Color.WHITE);
title.setBounds(0, 120, 480, 40);
bgPanel.add(title);
```

```
JLabel userLabel = new JLabel("Username:");
userLabel.setForeground(Color.WHITE);
userLabel.setFont(new Font("Segoe UI", Font.PLAIN, 16));
userLabel.setBounds(100, 240, 100, 30);
bgPanel.add(userLabel);
```

```
usernameField = new JTextField();
usernameField.setFont(new Font("Segoe UI", Font.PLAIN, 15));
usernameField.setBounds(200, 240, 180, 30);
bgPanel.add(usernameField);
```

```
JLabel passLabel = new JLabel("Password:");
passLabel.setForeground(Color.WHITE);
passLabel.setFont(new Font("Segoe UI", Font.PLAIN, 16));
passLabel.setBounds(100, 300, 100, 30);
bgPanel.add(passLabel);
```

```
passwordField = new JPasswordField();
passwordField.setFont(new Font("Segoe UI", Font.PLAIN, 15));
passwordField.setBounds(200, 300, 180, 30);
bgPanel.add(passwordField);
```

```
loginButton = new RoundedButton("Login", new Color(41, 128, 185));
loginButton.setBounds(120, 380, 100, 40);
bgPanel.add(loginButton);
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```
clearButton = new RoundedButton("Clear", new Color(243, 156, 18));
clearButton.setBounds(260, 380, 100, 40);
bgPanel.add(clearButton);
```

```
loginButton.addActionListener(e -> performLogin());
clearButton.addActionListener(e -> {
    usernameField.setText("");
    passwordField.setText("");
});
```

```
});  
}
```

```
private void performLogin() {  
    String username = usernameField.getText().trim();  
    String password = new String(passwordField.getPassword());  
  
    if (username.isEmpty() || password.isEmpty()) {  
        JOptionPane.showMessageDialog(this, "Please enter username and password.");  
        return;  
    }  
}
```

```
try (Connection conn = DatabaseUtil.getConnection();  
     PreparedStatement ps = conn.prepareStatement(  
         "SELECT role FROM users WHERE username = ? AND password = ?"  
     )) {  
    ps.setString(1, username);  
    ps.setString(2, password);  
    ResultSet rs = ps.executeQuery();  
  
    if (rs.next()) {  
        String role = rs.getString("role");  
        JOptionPane.showMessageDialog(this, "✅ Login successful as " + role + "!");  
        dispose();  
  
        switch (role) {  
            case "Admin":  
                new Dashboard(username).setVisible(true);  
                break;  
            case "Staff":  
                new StaffDashboard(username).setVisible(true);  
                break;  
            case "Tenant":  
                new TenantDashboard(username).setVisible(true);  
                break;  
            default:  
                JOptionPane.showMessageDialog(this, "⚠ Unknown role: " + role);  
        }  
    } else {  
        JOptionPane.showMessageDialog(this, "❌ Invalid username or password.");  
    }  
}
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    }
} catch (Exception e) {
    JOptionPane.showMessageDialog(this, "Error during login: " + e.getMessage());
}
}

public static void main(String[] args) {
    SwingUtilities.invokeLater(() -> new LoginScreen().setVisible(true));
}
}

package MallManagement;

import javax.swing.*;
import java.awt.*;
import MallManagement.UIComponents.*;

public class StaffDashboard extends JFrame {
    public StaffDashboard(String username) {
        setTitle("Mall Management System - Staff Dashboard");
        setSize(750, 500);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLocationRelativeTo(null);
        setResizable(false);

        GradientPanel bgPanel = new GradientPanel();
        bgPanel.setLayout(null);

        JLabel welcome = new JLabel("Welcome Staff !", JLabel.CENTER);
        welcome.setFont(new Font("Segoe UI", Font.BOLD, 26));
        welcome.setForeground(Color.WHITE);
        welcome.setBounds(0, 30, 750, 40);
        bgPanel.add(welcome);

        JPanel buttonPanel = new JPanel(new GridLayout(2, 3, 25, 25));
        buttonPanel.setOpaque(false);
        buttonPanel.setBounds(120, 120, 500, 250);

        RoundedButton billingBtn = new RoundedButton("Billing & Payments", new Color(243, 156, 18));
        RoundedButton maintenanceBtn = new RoundedButton("Maintenance Requests", new

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Color(230, 126, 34));
    RoundedButton eventBtn = new RoundedButton("Event Management", new Color(155, 89, 182));
    RoundedButton reportsBtn = new RoundedButton("Reports", new Color(241, 196, 15));
    RoundedButton logoutBtn = new RoundedButton("Logout", new Color(231, 76, 60));
    RoundedButton exitBtn = new RoundedButton("Exit", new Color(44, 62, 80));

    buttonPanel.add(billingBtn);
    buttonPanel.add(maintenanceBtn);
    buttonPanel.add(eventBtn);
    buttonPanel.add(reportsBtn);
    buttonPanel.add(logoutBtn);
    buttonPanel.add(exitBtn);

    bgPanel.add(buttonPanel);
    add(bgPanel);

    billingBtn.addActionListener(e -> new BillingSystem(username, "Staff").setVisible(true));
    maintenanceBtn.addActionListener(e -> new MaintenanceRequests(username,
"Staff").setVisible(true));
    eventBtn.addActionListener(e -> new EventManagement(username, "Staff").setVisible(true));
    reportsBtn.addActionListener(e -> new StaffReports(username, "Staff").setVisible(true));
    logoutBtn.addActionListener(e -> {
        dispose();
        new LoginScreen().setVisible(true);
    });
    exitBtn.addActionListener(e -> System.exit(0));
}
}

```