

## Mobile Application Development – Assignment # 2

Name: Sadaf Iqbal

Reg No: 23-ARID-740

Program: BSSE / BSCS

Semester & Section: 5 (A/B/C)

Course Name: Mobile Application Development

Instructor: Muhammad Azhar

(CLO-2)

Assignment Objective:

The purpose of this assignment is to enhance understanding of Android UI design and activity navigation. The application is extended from a base login project to include complete login functionality and multiple navigation screens.

Base Project:

GitHub Repository:

<https://github.com/Azzzhar7/android-login-app>

This base project provides a simple login screen using Java and XML. The project has been extended with additional activities and navigation flows.

-----  
**Features Implemented**  
-----

1. Complete Login Implementation:

- Hard-coded username and password are used for authentication.
- User input is validated before login.
- Error message is shown for invalid credentials.

2. Registration Activity:

- New users can register using a registration screen.
- User details are validated.
- Navigation back to login screen is provided.

3. Forgot Password Activity:

- Allows users to recover their password.
- Redirects user to reset password screen.

#### 4. Reset Password Activity:

- Users can update their password.
- Confirmation message shown after reset.

#### 5. Landing Screen (Home Page):

- Displayed after successful login.
- Shows a welcome message or simple dashboard.

---

#### Navigation & Intents

---

- Explicit Intents are used to navigate between activities.
- Login success redirects user to Home Activity.
- Buttons and clickable TextViews are used for:
  - Register
  - Forgot Password

---

#### Activities Used

---

- LoginActivity
- RegisterActivity
- ForgotPasswordActivity
- ResetPasswordActivity
- HomeActivity

---

#### Submission Details

---

- Complete Android Studio project pushed to GitHub
- README file included describing features and navigation
- Screenshots attached:
  - Android Studio code
  - Emulator output
  - GitHub repository

---

#### CLO-2 Achievement

---

This assignment successfully demonstrates:

- Android UI design
- Activity lifecycle understanding
- Intent-based navigation
- User interaction handling