

# ICP8 – Group 12

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GitHub link: <https://github.com/sukumarbodapati/Web-Mobile-Spring-2022/tree/main/Mobile/ICP8>

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GitHub link: <https://github.com/Srinikhitha98/Web-Mobile-Dev-Spring-2022/tree/main/Mobile/ICP8>

## Mobile Application - Android Studio

### Objective:

To create a basic login application using mobile application.

### Tasks:

#### Create a Login Page:

- Open a new application in the Android Studio.
- We have used relative layout: this makes the element view relative to each other.
- Created two EditText(used this since we need to enter the text) element for the Username and for the password.
- Aligned the Username element and Password element in the screen. For the password, the text user entered should be hidden so used input type as “TextPassword”.
- Created a login button below the password and aligned according to the screen.

#### Create a Welcome Page:

- Created a textview element for the text on the Welcome page and added a sign-out button on this page to the right corner.

### Functionality:

- **Case 1:** When the user enters the correct username and password, the user should navigate to the welcome page. For this, in the main activity we have created a on click method and page2 method. In the Onclick method, we have a conditional if statement which will call the page2 method. Page2 method will call the welcome page.
- **Case 2:** When the user enters the incorrect username or password then the user should see a pop-up of Invalid credentials. In the onclick method, we have written a conditional else statement for this case.  
After logging in successfully, if the user wants to log off. On the welcome page we have login out button, once the user clicks on it, the page is redirected to the main login page. For this we have created a method called login, which will start the main activity page (i.e login page).

## Mobile Application:

### Code on click function for login button:

```
@Override
public void onClick(View view) {
    if(username.getText().toString().equals("Srinikhitha") && password.getText().toString().equals("a
        ///Toast.makeText(MainActivity.this,"Login successful",Toast.LENGTH_SHORT).show();
        page2();
    }
    else{
        Toast.makeText(context: MainActivity.this, text: "Invalid Credentials",Toast.LENGTH_SHORT).show();
    }
}
```

### For navigating to second page page2 method:

```
public void page2(){
    Intent i =new Intent( packageContext: this,Welcome.class);
    startActivity(i);
}
```

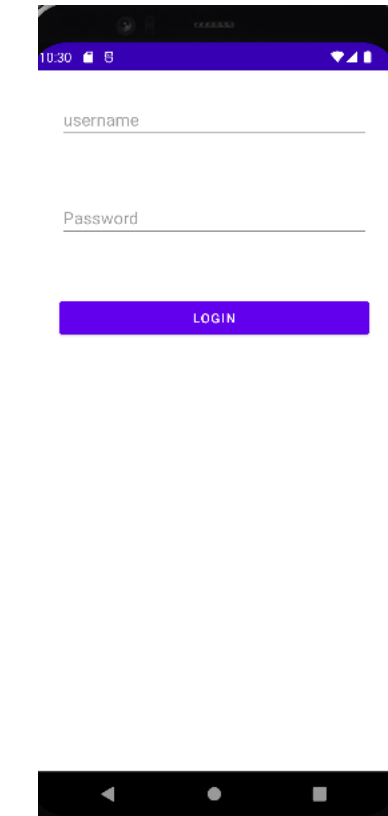
### Code for log out button:

```
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        login();
    }
});

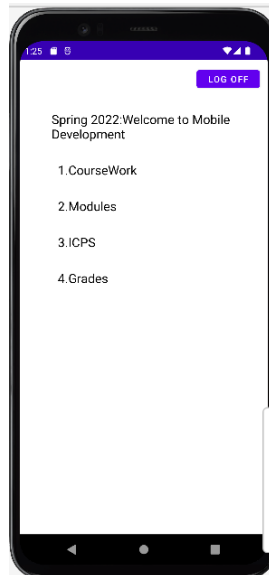
public void login(){
    Intent i =new Intent( packageContext: this,MainActivity.class);
    startActivity(i);
}
```

**Mobile view:**

**1.Login Page**



**2.If the Username and password is correct then we navigate to welcome page:**



**3.If the username or password is Incorrect.User will see a pop-up as Invalid Credentials.**

