WEB PROGRAMMING ICP8

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Github link:

https://github.com/Rajendraganji/WebCourse2022/tree/main/WebPart/ICP8

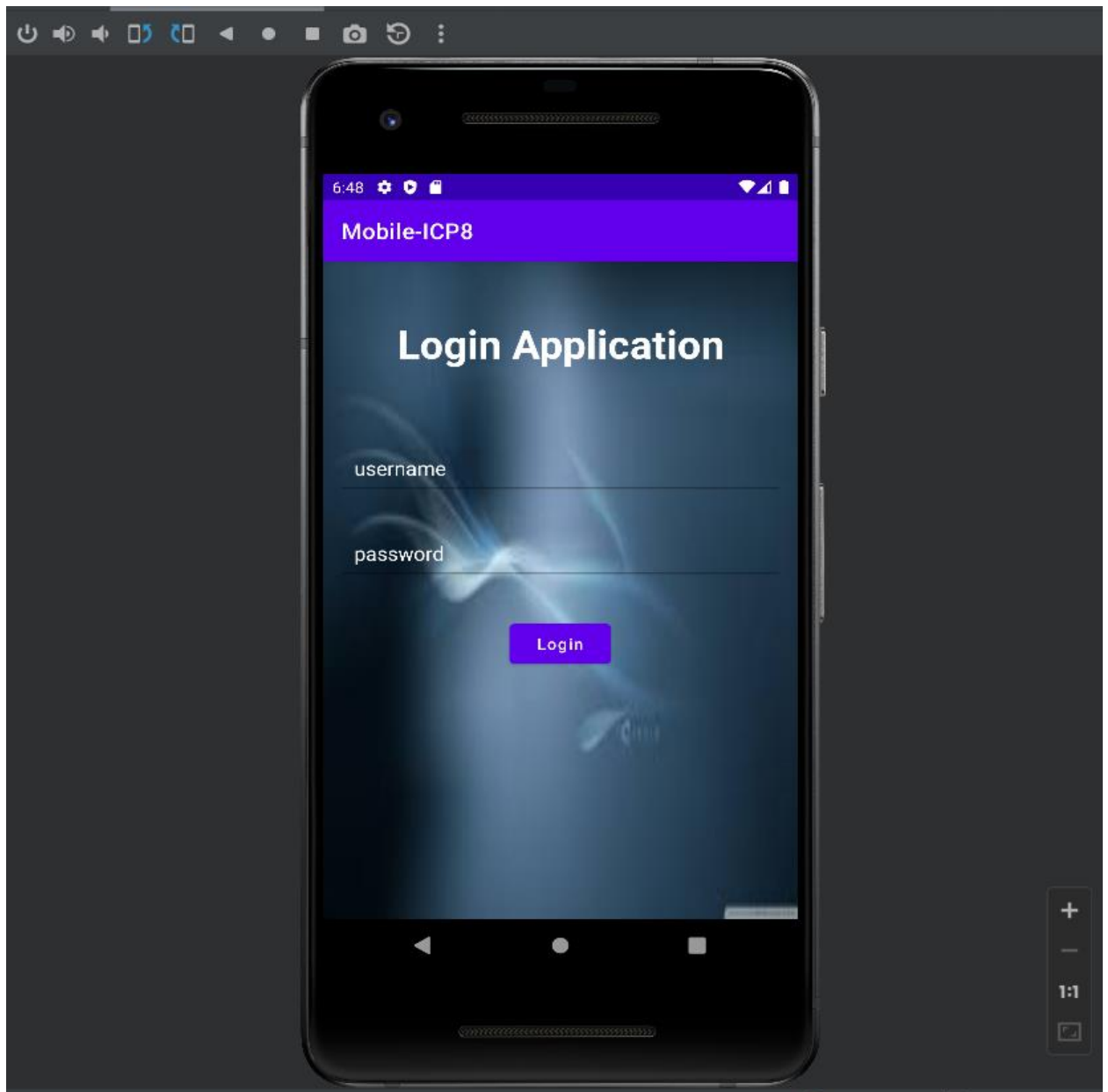## Name: Vishnumonish Kankanala
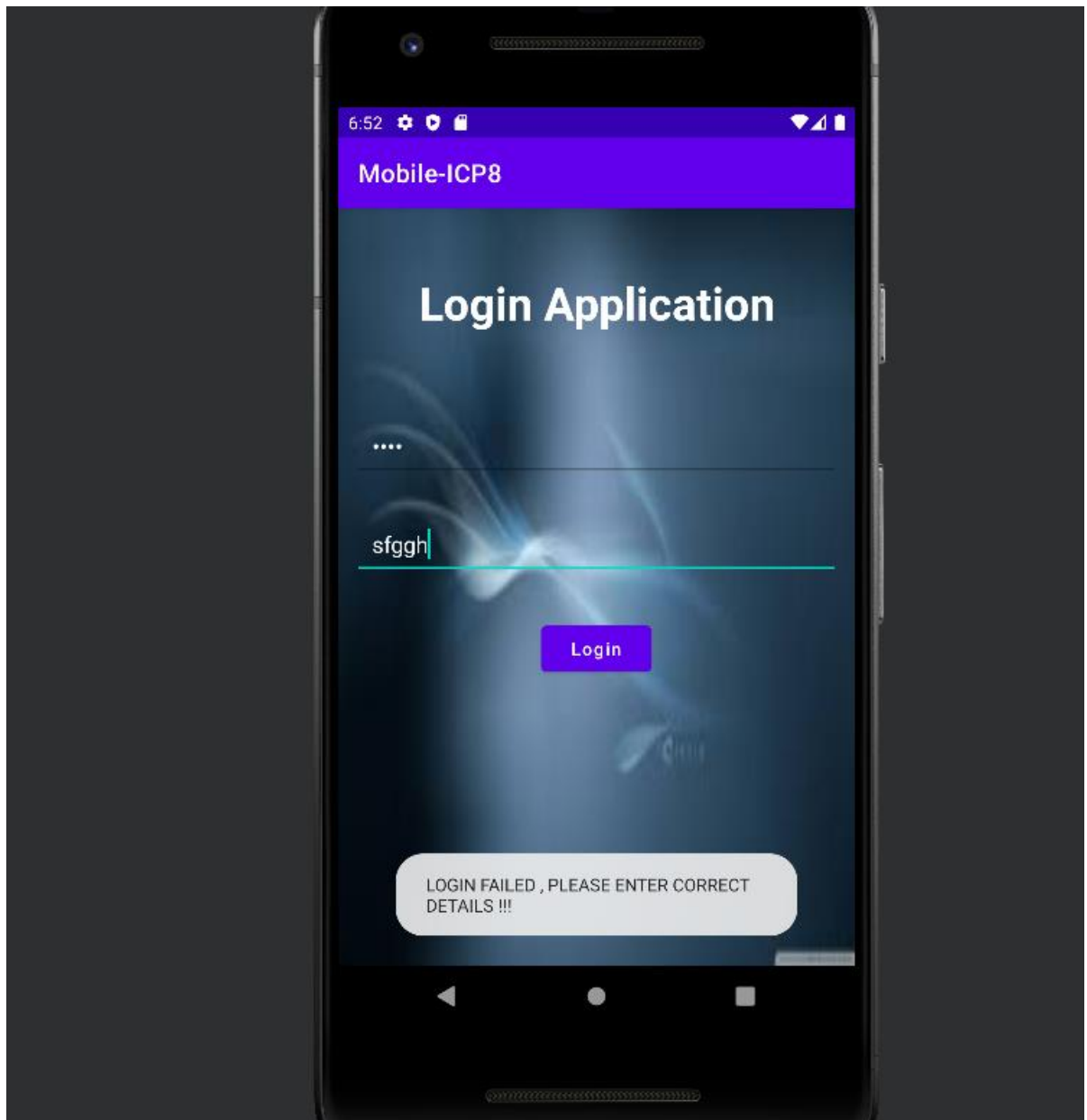**Email: VKM5P@umsystem.edu**

Github link:
https://github.com/Vishnumonish/web-

development/tree/main/ICP_8

1. The main goal of this ICP8 is to create a basic login application for Mobile/Android.
2.The main activity page should contain a username and password.
3. Create the 'Login' button on the first activity screen and when clicked on the 'Login' button, the screen should navigate to the welcome screen if the login credentials are valid.
4. Otherwise, the app should display an appropriate message to the users.
5. Create the 'LOGOUT' button on the second activity screen and when clicked on the 'LOGOUT' button, the screen should navigate to the first activity screen.
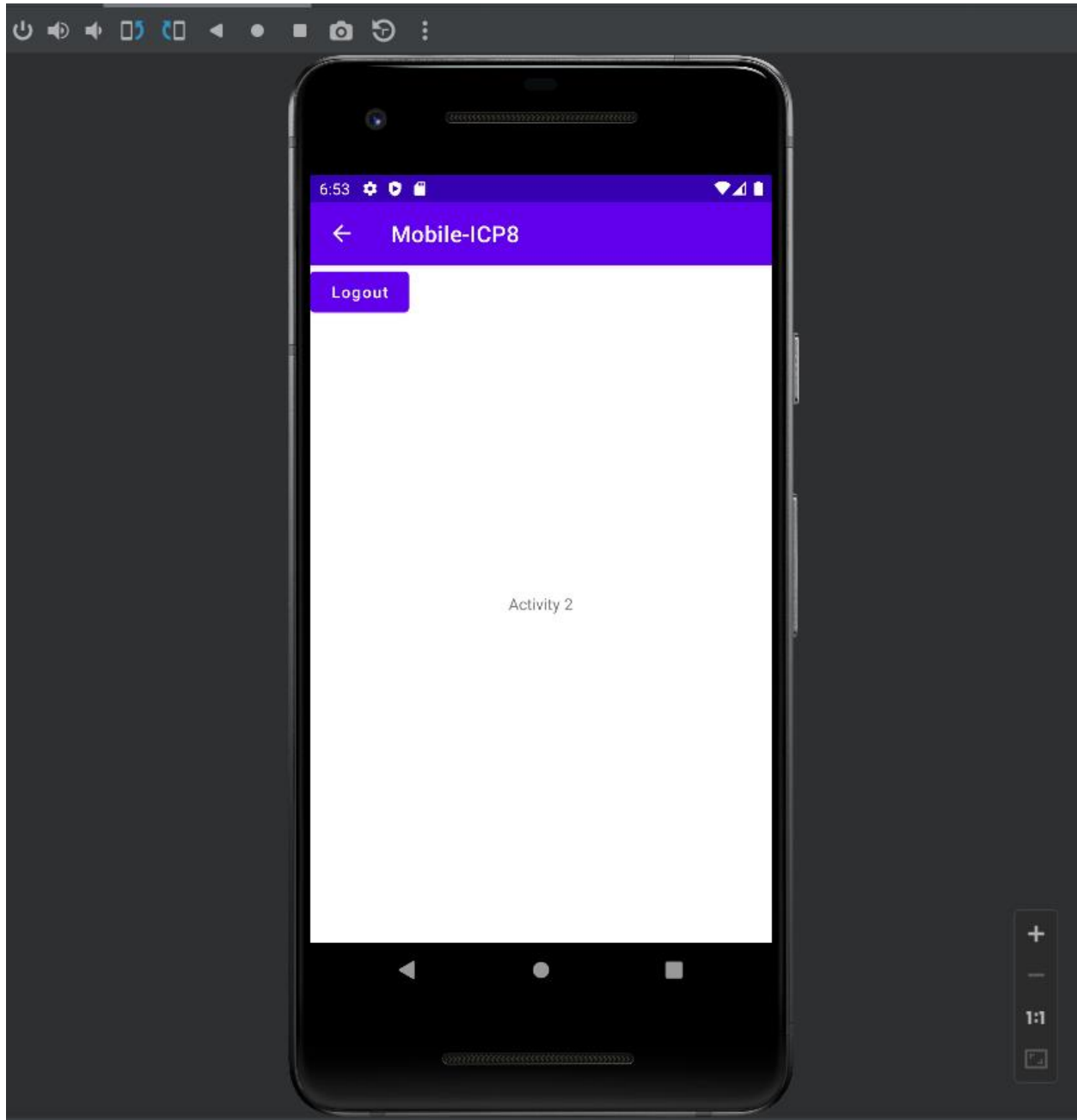
This is the first activity page which has the text fields like username and password and login button.

When user enters wrong username and password, following screen displays to the user

Once user enter correct details, we will redirect to the new activity screen. In the new activity screen, logout option will be provided If user clicks on it then it will again redirect to previous page that is login page

Following is the main logic which redirects to new activity screen after successfully validating username and password of the user

```java
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        TextView username =(TextView) findViewById(R.id.username);
        TextView password =(TextView) findViewById(R.id.password);
        MaterialButton signinbtn = (MaterialButton) findViewById(R.id.Login);
        signinbtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(username.getText().toString().equals("admin") && password.getText().toString().equals("admin")){
                    // user entered correct details
                    openActivity2();
                    Toast.makeText( context: MainActivity.this, text: "LOGIN SUCCESSFUL",Toast.LENGTH_SHORT).show();
                }else
                    // user entered in correct details
                    Toast.makeText( context: MainActivity.this, text: "LOGIN FAILED , PLEASE ENTER CORRECT DETAILS !!!",Toast.LENGTH_SHORT).show();
            }
        });
    }
    public void openActivity2() {
        Intent intent = new Intent( packageContext: this, MainActivity2.class);
        startActivity(intent);
    }
}
```

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Following is the logic which redirects to previous screen once user clicks on the logout option provided in the second screen.

```java
public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        MaterialButton signoutbtn = (MaterialButton) findViewById(R.id.Logout);

        signoutbtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                openActivity1();
            }
        });
    }
    public void openActivity1() {
        Intent intent = new Intent( packageContext: this, MainActivity.class);
        startActivity(intent);
    }


}
```