

WEB PROGRAMMING ICP8

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Github link:

<https://github.com/AishwaryaKotla/WebSpring2022/tree/main/MobilePart/ICP8>

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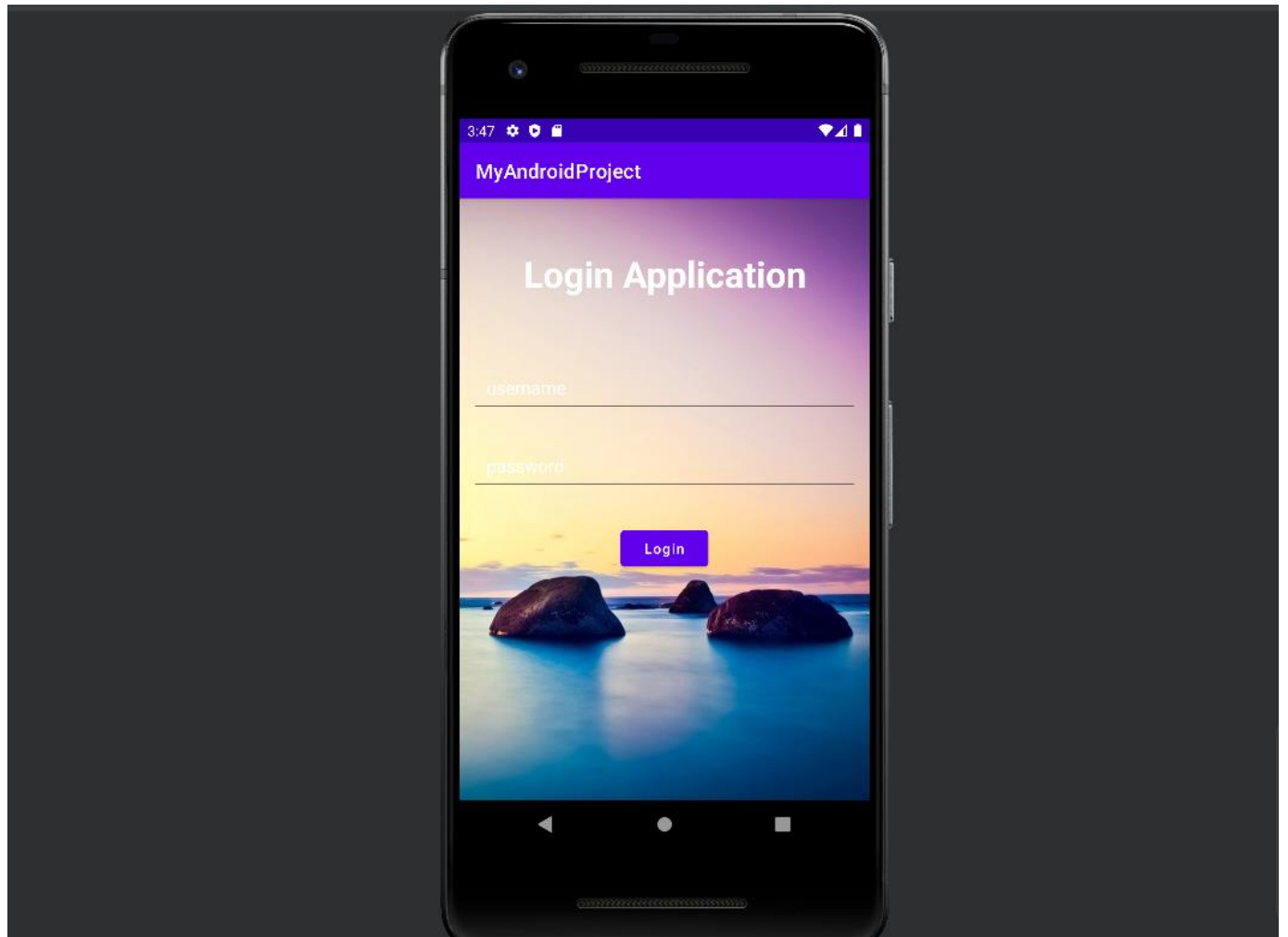
Email: psgv@umsl.edu

Github link:

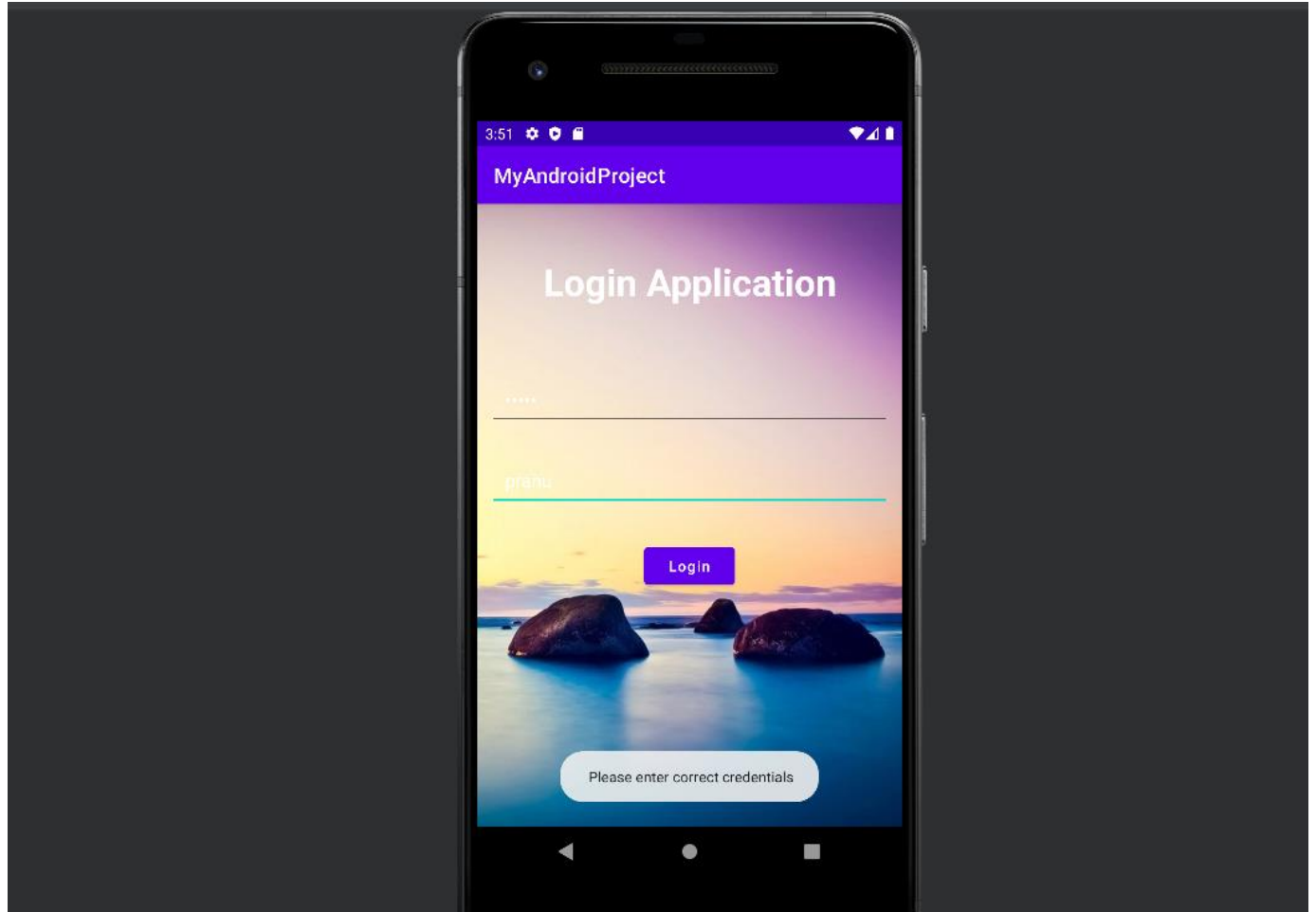
<https://github.com/sunnypranay4748/WebSpring2022/tree/main/MobilePart/ICP8>

- 1.The main purpose of this ICP8 is to construct a basic mobile/Android login application.
- 2.A username and password should be included on the main activity page.
3. Create a Login' button on the first activity screen, and if the login credentials are valid, the screen should travel to the welcome screen when clicked.
4. If the validation fails, the app should display an appropriate message to the users.
5. Create a signout button on the second activity screen, which should take the user back to the first activity screen when clicked.

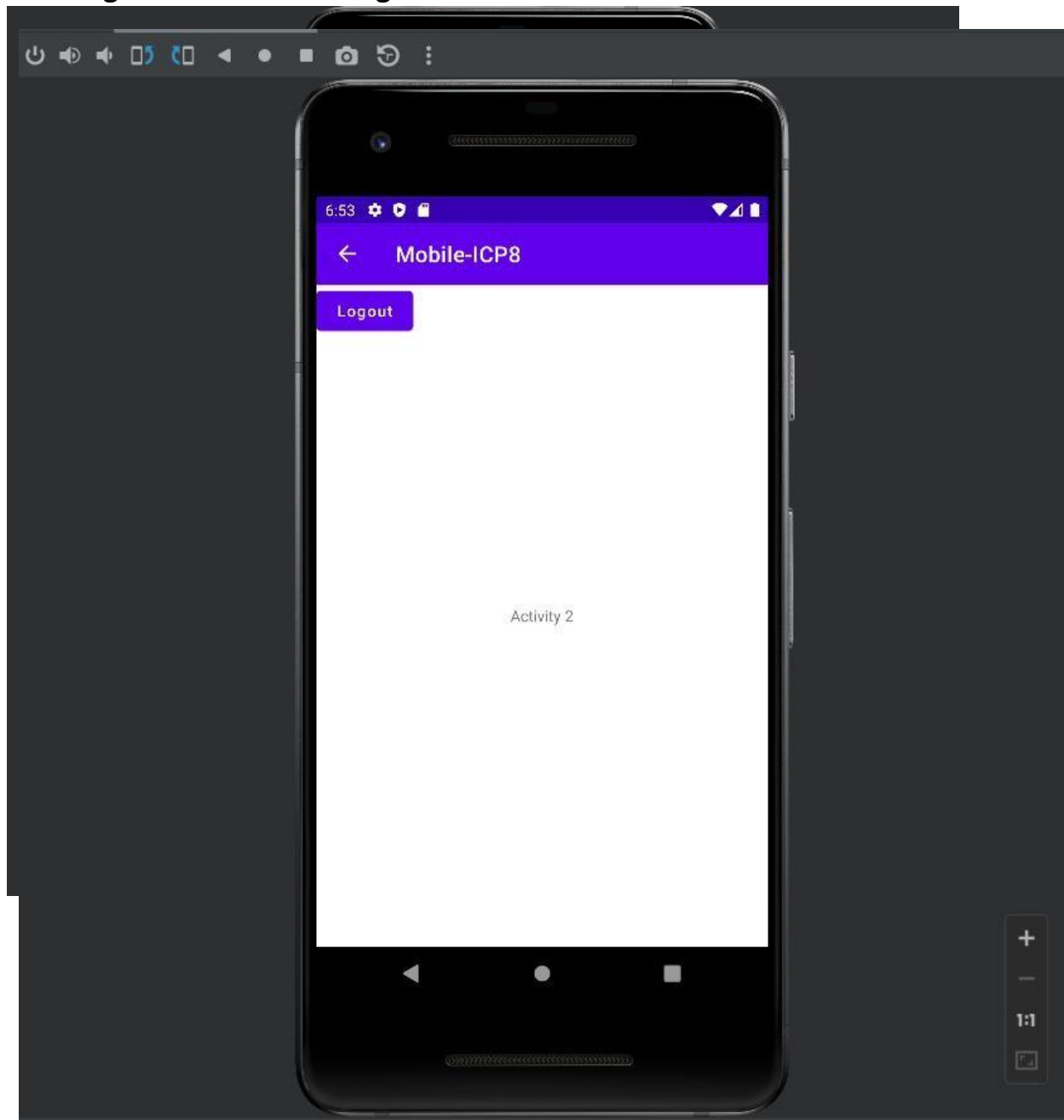
The first page which had username, password text box fields and the login button



When user enters wrong username and password, an alert is shown



On the username and password match you will be redirected to the next screen which has a signout button to navigate back to the first screen.



Below screen shot is the logic which validates the credentials and redirect to the second page.

```
activity_main.xml x MainActivity.java x activity_main2.xml x MainActivity2.java x
16 protected void onCreate(Bundle savedInstanceState) {
17     super.onCreate(savedInstanceState);
18     setContentView(R.layout.activity_main);
19     TextView username =(TextView) findViewById(R.id.username);
20     TextView password =(TextView) findViewById(R.id.password);
21     MaterialButton signinbtn = (MaterialButton) findViewById(R.id.Login);
22     signinbtn.setOnClickListener(new View.OnClickListener() {
23         @Override
24         public void onClick(View v) {
25             if(username.getText().toString().equals("admin") && password.getText().toString().equals("admin")){
26                 // user entered correct details
27                 openActivity2();
28                 Toast.makeText( context: MainActivity.this, text: "Login Successful",Toast.LENGTH_SHORT).show();
29             }else
30                 // user entered in correct details
31                 Toast.makeText( context: MainActivity.this, text: " Please enter correct credentials",Toast.LENGTH_SHORT).show();
32         }
33     });
34 }
35 public void openActivity2() {
36     Intent intent = new Intent( packageContext: this, MainActivity2.class);
37     startActivity(intent);
38 }
39 }
```

The below screen shot has the logic which redirects back to the main login page on clicking signout button.

```
activity_main.xml x MainActivity.java x activity_main2.xml x MainActivity2.java x
12 public class MainActivity2 extends AppCompatActivity {
13
14     @Override
15     protected void onCreate(Bundle savedInstanceState) {
16         super.onCreate(savedInstanceState);
17         setContentView(R.layout.activity_main2);
18
19         MaterialButton signoutbtn = (MaterialButton) findViewById(R.id.Logout);
20
21         signoutbtn.setOnClickListener(new View.OnClickListener() {
22             @Override
23             public void onClick(View v) {
24                 openActivity1();
25             }
26         });
27     }
28     public void openActivity1() {
29         Intent intent = new Intent( packageContext: this, MainActivity.class);
30         startActivity(intent);
31     }
32
33
34 }
```

