



MOBILE APPLICATION DEVELOPMENT PROJECT

NAME	MUHAMMAD ROHAAN KHAN
CLASS	BSSE
SECTION	B
ROLL NO	<i>BSSE / Sp-22 / 037</i>
TEACHER	SIR M. BILAL BUTT

File: splash.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".SplashActivity2"
android:background="@color/white"
android:gravity="center"
android:orientation="vertical">
```

```
<TextView
android:layout_width="319dp"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:layout_marginTop="200dp"
android:text=" My Profile App"
android:textColor="#0000FF"
android:textSize="45dp"
android:textStyle="italic"/>
```

```
<LinearLayout
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
android:layout_gravity="center">
```

```
<ImageView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@drawable/m"
android:layout_marginTop="30dp"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

File: SplashActivity2.java

```
package com.example.mag;
```

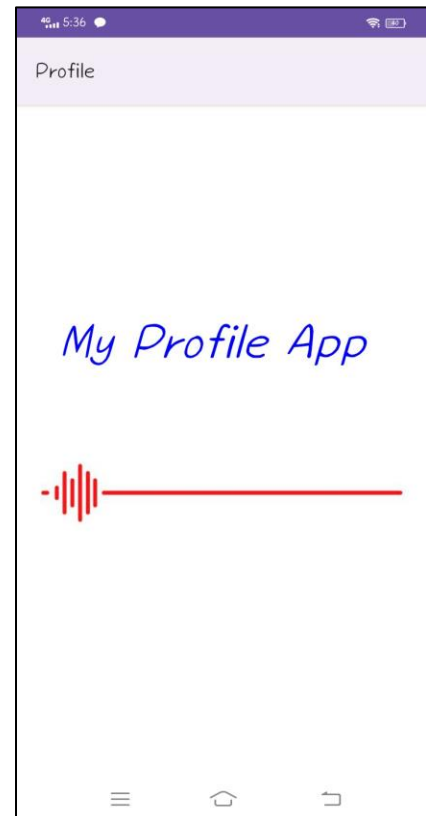
```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.os.Handler;
```

```
public class SplashActivity2 extends AppCompatActivity {
```



```

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

    new Handler().postDelayed(new Runnable() {
        @Override
        public void run() {
            Intent i = new Intent(SplashActivity2.this, MainActivity.class);
            startActivity(i);

            finish();
        }
    }, 3000);
}

```

File: activity_main.xml

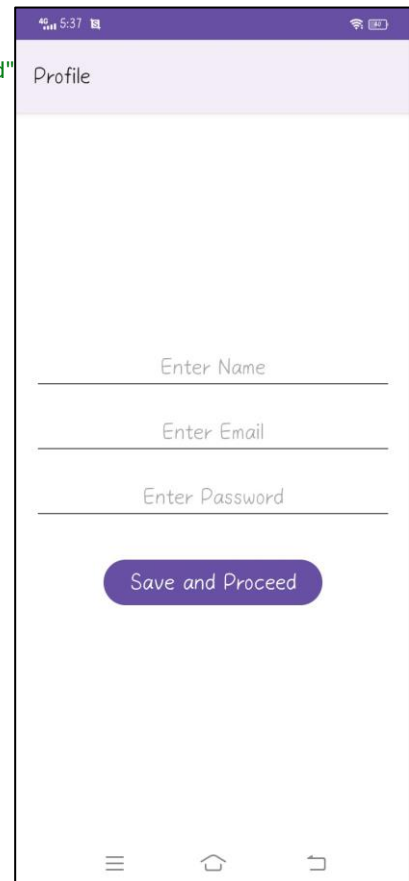
```

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:gravity="center"
    android:background="@color/white">

    <EditText
        android:id="@+id/etName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Name"
        android:textSize="20dp"
        android:gravity="center"
        android:inputType="textPersonName"
        android:layout_marginBottom="12dp" />

    <EditText
        android:id="@+id/etEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Email"
        android:textSize="20dp"
        android:gravity="center"
        android:inputType="textEmailAddress"
        android:layout_marginBottom="12dp" />

```



```

<EditText
    android:id="@+id/etPassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter Password"
    android:textSize="20dp"
    android:gravity="center"
    android:inputType="textPassword"
    android:layout_marginBottom="12dp" />

```

```

<Button
    android:id="@+id/btnSave"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Save and Proceed"
    android:textSize="20dp"
    android:layout_marginTop="16dp" />

```

```

</LinearLayout>

```

File: MainActivity.java

```

package com.example.mag;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;

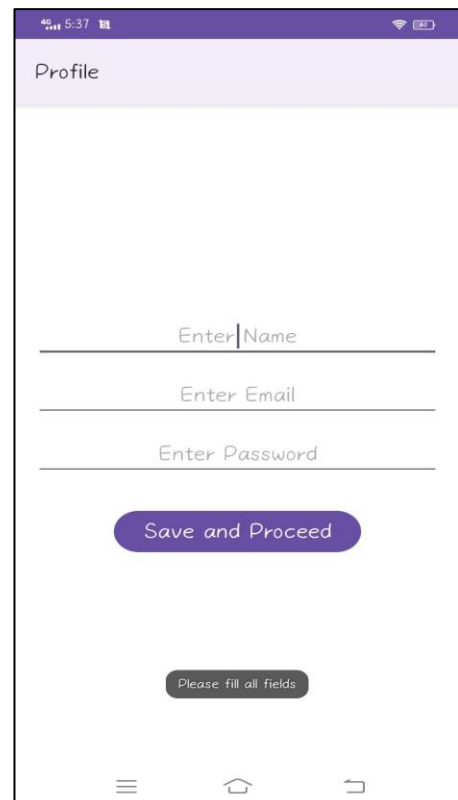
public class MainActivity extends AppCompatActivity {

    private EditText etName, etEmail, etPassword;
    private Button btnSave;

    private static final String SHARED_PREFS = "UserPrefs";

    @Override
    protected void onCreate(Bundle savedInstanceState) {

```



```

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

etName = findViewById(R.id.etName);
etEmail = findViewById(R.id.etEmail);
etPassword = findViewById(R.id.etPassword);
btnSave = findViewById(R.id.btnSave);

clearFields();

btnSave.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        String name = etName.getText().toString().trim();
        String email = etEmail.getText().toString().trim();
        String password = etPassword.getText().toString().trim();

        if (name.isEmpty() || email.isEmpty() || password.isEmpty()) {
            Toast.makeText(MainActivity.this, "Please fill all fields", Toast.LENGTH_SHORT).show();
            return;
        }

        if (!name.matches("[a-zA-Z]+")) {
            Toast.makeText(MainActivity.this, "Name should contain alphabets only", Toast.LENGTH_SHORT).show();
            return;
        }

        if (!email.matches("[a-zA-Z0-9._%+-]+@gmail\\.com")) {
            Toast.makeText(MainActivity.this, "Please enter a valid Gmail address", Toast.LENGTH_SHORT).show();
            return;
        }

        if (!password.matches("[a-zA-Z].*") || !password.matches("[0-9].*")
            || !password.matches("[!@#%$^&*(),.?\\":{}|<>].*")) {
            Toast.makeText(MainActivity.this, "Password should contain alphabets, numbers, and special characters",
            Toast.LENGTH_SHORT).show();
            return;
        }

        saveToSharedPreferences(name, email, password);

        Intent intent = new Intent(MainActivity.this, SecondActivity.class);
        intent.putExtra("name", name);
        intent.putExtra("email", email);

```

```

intent.putExtra("password", password);
startActivity(intent);
}
});
}

```

```

private void clearFields() {
    etName.setText("");
    etEmail.setText("");
    etPassword.setText("");
}

```

```

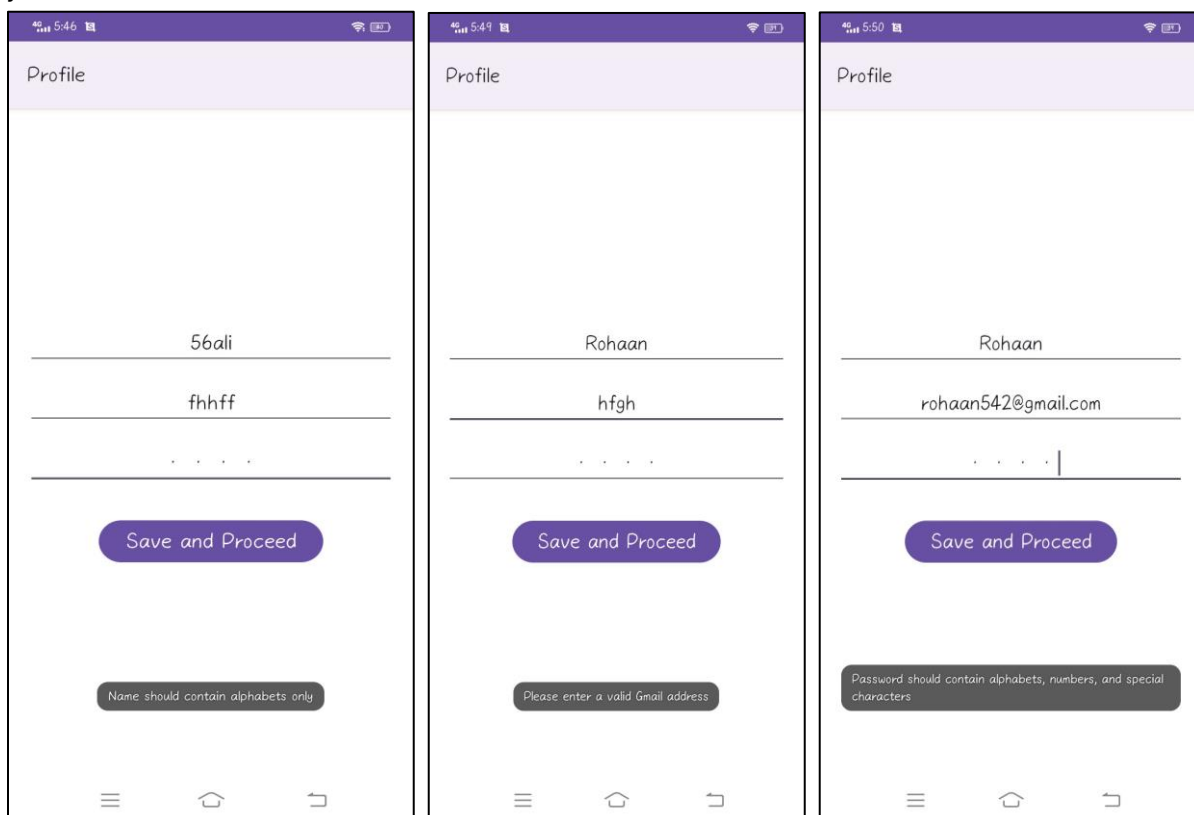
private void saveToSharedPreferences(String name, String email, String password) {
    SharedPreferences sharedPreferences = getSharedPreferences(SHARED_PREFS, MODE_PRIVATE);
    SharedPreferences.Editor editor = sharedPreferences.edit();

```

```

        editor.putString("name", name);
        editor.putString("email", email);
        editor.putString("password", password);
        editor.apply();
    }
}

```



File: activity_second.xml

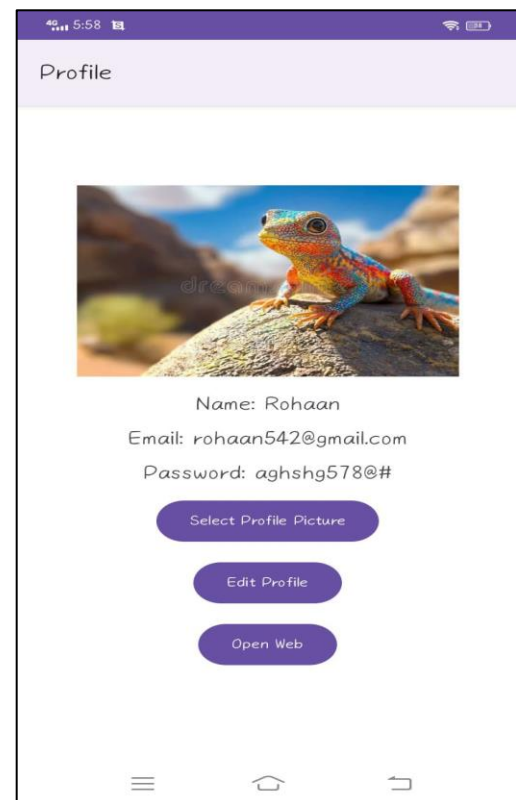
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:gravity="center"
    android:background="@color/white"
    tools:ignore="ExtraText">
```

```
<ImageView
    android:id="@+id/imgProfilePic"
    android:layout_width="274dp"
    android:layout_height="186dp"
    android:layout_gravity="center"
    android:layout_marginBottom="16dp"
    android:contentDescription="Profile Picture"
    android:scaleType="centerCrop" />
```

```
<TextView
    android:id="@+id/tvName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Name: "
    android:textSize="20sp"
    android:layout_marginBottom="12dp" />
```

```
<TextView
    android:id="@+id/tvEmail"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Email: "
    android:textSize="20sp"
    android:layout_marginBottom="12dp" />
```

```
<TextView
    android:id="@+id/tvPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Password: "
    android:textSize="20sp"
    android:layout_marginBottom="12dp" />
```



```
<Button
    android:id="@+id/btnSelectProfilePic"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select Profile Picture"
    android:layout_marginBottom="12dp" />
```

```
<Button
    android:id="@+id/btnEditProfile"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Edit Profile"
    android:layout_marginBottom="12dp" />
```

```
<Button
    android:id="@+id/btnOpenWeb"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Open Web"
    android:layout_marginBottom="12dp" />
```

```
</LinearLayout>
```

File: SecondActivity.java

```
package com.example.mag;
```

```
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;
```

```
public class SecondActivity extends AppCompatActivity {
```

```
    private TextView tvName, tvEmail, tvPassword;
    private Button btnSelectProfilePic, btnEditProfile, btnOpenWeb;
    private ImageView imgProfilePic;
```

```
    private static final int PICK_IMAGE = 1;
```

```
@Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```



```
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_second);
```

```
tvName = findViewById(R.id.tvName);
tvEmail = findViewById(R.id.tvEmail);
tvPassword = findViewById(R.id.tvPassword);
btnSelectProfilePic = findViewById(R.id.btnSelectProfilePic);
btnEditProfile = findViewById(R.id.btnEditProfile);
btnOpenWeb = findViewById(R.id.btnOpenWeb);
imgProfilePic = findViewById(R.id.imgProfilePic);
```

```
String name = getIntent().getStringExtra("name");
String email = getIntent().getStringExtra("email");
String password = getIntent().getStringExtra("password");
```

```
tvName.setText("Name: " + name);
tvEmail.setText("Email: " + email);
tvPassword.setText("Password: " + password);
```

```
btnSelectProfilePic.setOnClickListener(v -> {
    Intent intent = new Intent(Intent.ACTION_PICK, MediaStore.Images.Media.EXTERNAL_CONTENT_URI);
    startActivityForResult(intent, PICK_IMAGE);
});
```

```
btnEditProfile.setOnClickListener(v -> {
    Intent intent = new Intent(SecondActivity.this, MainActivity.class);
    startActivity(intent);
});
```

```
btnOpenWeb.setOnClickListener(v -> {
    Intent intent = new Intent(SecondActivity.this, Third.class);
    startActivity(intent);
});
}
```

@Override

```
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);

    if (requestCode == PICK_IMAGE && resultCode == RESULT_OK && data != null) {
        Uri imageUri = data.getData();
        imgProfilePic.setImageURI(imageUri);
    }
}
```

```
}
```

File: activity_third.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <WebView
        android:id="@+id/webview"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

</LinearLayout>
```

File: Third.java

```
package com.example.mag;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.webkit.WebSettings;
import android.webkit.WebView;
import android.webkit.WebViewClient;

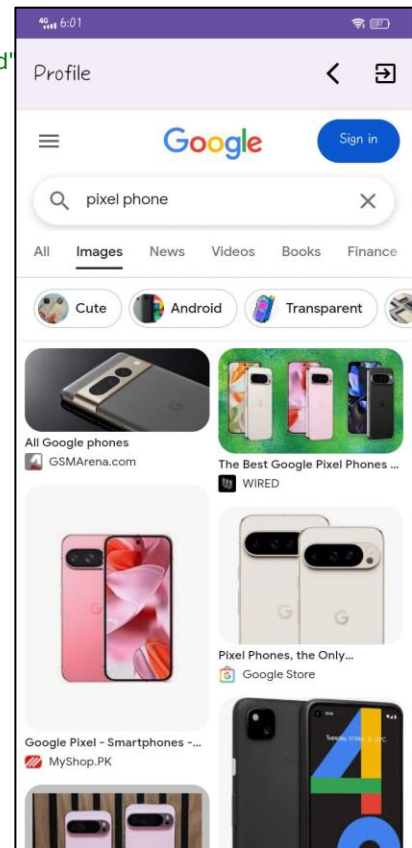
public class Third extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        setTheme(R.style.Theme_Mag);
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_third);

        WebView webView = findViewById(R.id.webview);

        WebSettings webSettings = webView.getSettings();
        webSettings.setJavaScriptEnabled(true);

        webView.setWebViewClient(new WebViewClient());
```



```
webView.loadUrl("https://www.google.com/");  
}
```

@Override

```
public boolean onCreateOptionsMenu(Menu menu) {
```

```
    MenuInflater inflater = getMenuInflater();  
    inflater.inflate(R.menu.option_menu, menu);  
    return true;  
}
```

@Override

```
public boolean onOptionsItemSelected(MenuItem item) {  
    if (item.getItemId() == R.id.i8) {  
        finish();  
        return true;  
    } else if (item.getItemId() == R.id.i9) {  
        finishAffinity();  
        return true;  
    }  
    return super.onOptionsItemSelected(item);  
}  
}
```

File: option_menu.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:tools="http://schemas.android.com/tools"  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto">  
    <item  
        android:title="Go back"  
        android:id="@+id/i8"  
        android:icon="@drawable/baseline_arrow_back_ios_new_24"  
        app:showAsAction="always" />  
    <item  
        android:title="Exit"  
        android:id="@+id/i9"  
        app:showAsAction="always"  
        android:icon="@drawable/baseline_exit_to_app_24"/>  
</menu>
```