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Mobile Application Development

Lab Manual 4

Safdar Hussain, BSCS-VII-A

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Code

Main Activity

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

SharedPreferences sharedPreferences;

SharedPreferences.Editor editor;

Intent intent;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_sinup);

sharedPreferences = getSharedPreferences("local\_storage",MODE\_PRIVATE);

if(sharedPreferences.getBoolean("isLoggedIn",false)){

//Logged in

intent = new Intent(this,HomeScreen.class);

startActivity(intent);

}else

{

//Not logged in.

intent = new Intent(this,Login\_screen.class);

startActivity(intent);

}

}

}

Home Screen

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

public class HomeScreen extends AppCompatActivity {

SharedPreferences sharedPreferences;

SharedPreferences.Editor editor;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_home\_screen);

sharedPreferences = getSharedPreferences("local\_storage",MODE\_PRIVATE);

editor = sharedPreferences.edit();

}

public void clickMe(View view){

editor.putBoolean("isLoggedIn",false);

editor.commit();

Intent intent = new Intent(this,Login\_screen.class);

startActivity(intent);

finish();

}

}

Login

public class Login\_screen extends AppCompatActivity {

EditText email,password;

Button btn\_login;

SharedPreferences sharedPreferences;

SharedPreferences.Editor editor;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_login);

email = findViewById(R.id.txt\_email);

password = findViewById(R.id.txt\_password);

btn\_login = findViewById(R.id.btn\_login);

sharedPreferences = getSharedPreferences("local\_storage",MODE\_PRIVATE);

editor = sharedPreferences.edit();

btn\_login.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Log.d("A","HERE we go");

if(vaildateUser(email.getText().toString(),password.getText().toString())){

Toast.makeText(getApplicationContext(), "Welcome!!", Toast.LENGTH\_SHORT).show();

}else {

Toast.makeText(getApplicationContext(), "Please provide valid email and password", Toast.LENGTH\_SHORT).show();

}

}

});

}

public void Dont\_have\_account\_sin\_up(View view){

Intent intent = new Intent(this,Register\_Screen.class);

startActivity(intent);

}

private boolean vaildateUser(String email,String password){

if(email.equals(sharedPreferences.getString("email","temp@gmail.com")) && password.equals(sharedPreferences.getString("password","#"))){

return true;

}

else{

return false;

}

}

}

Register

public class Register\_Screen extends AppCompatActivity {

SharedPreferences sharedPreferences;

SharedPreferences.Editor editor;

EditText email,password,fullName;

Button btn\_register;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_sinup);

email = findViewById(R.id.txt\_email);

password = findViewById(R.id.txt\_password);

fullName=findViewById(R.id.txt\_fullName);

btn\_register=findViewById(R.id.btn\_register);

sharedPreferences = getSharedPreferences("local\_storage",MODE\_PRIVATE);

editor = sharedPreferences.edit();

btn\_register.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editor.putString("fullName",fullName.getText().toString());

editor.putString("email",email.getText().toString());

editor.putString("password",password.getText().toString());

editor.putBoolean("isLoggedIn",true);

editor.commit();

Toast.makeText(getApplicationContext(), "Account created", Toast.LENGTH\_SHORT).show();

Intent intent = new Intent(getApplicationContext(),HomeScreen.class);

startActivity(intent);

finish();

}

});

}

public void Dont\_have\_account\_sin\_in(View view){

Intent intent = new Intent(this,Login\_screen.class);

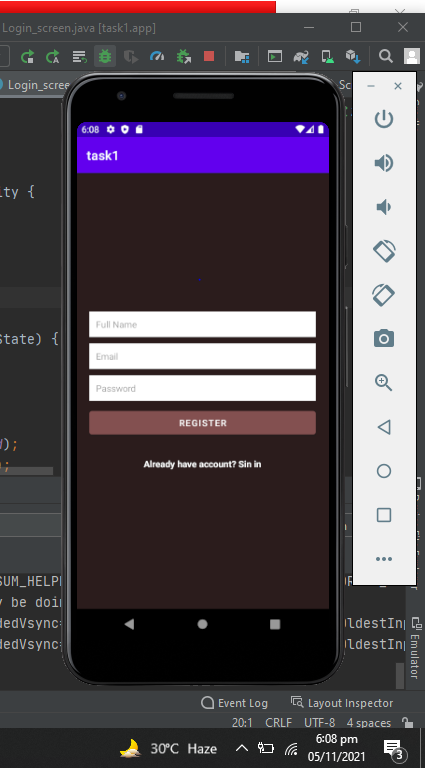
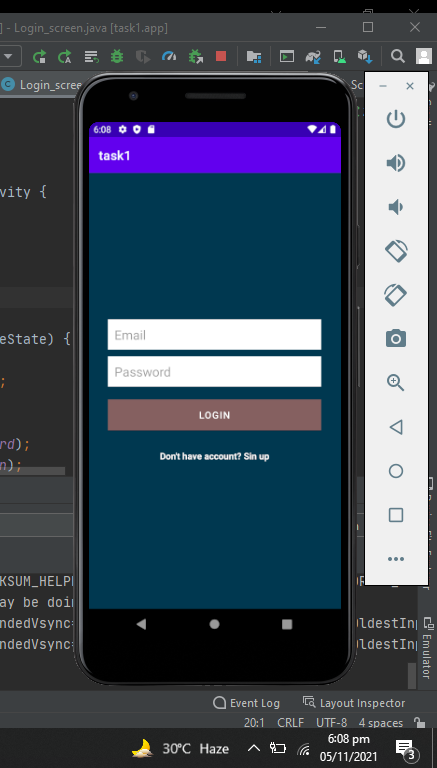
startActivity(intent);

finish();

}

}

Output



Task 2

Code

import android.content.Intent;

import android.os.Bundle;

import android.util.Log;

import android.view.View;

import android.widget.ImageView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

ImageView imageView\_1,imageView\_2,imageView\_3,imageView\_4,imageView\_5,imageView\_6;

Intent intent;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

imageView\_1=findViewById(R.id.image\_1);

imageView\_2=findViewById(R.id.image\_2);

imageView\_3=findViewById(R.id.image\_3);

imageView\_4=findViewById(R.id.image\_4);

imageView\_5=findViewById(R.id.image\_5);

imageView\_6=findViewById(R.id.image\_6);

intent = new Intent(this,view\_details.class);

imageView\_1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","0");

startActivity(intent);

}

});

imageView\_2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","1");

startActivity(intent);

}

});

imageView\_3.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","2");

startActivity(intent);

}

});

imageView\_4.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","3");

startActivity(intent);

}

});

imageView\_5.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","4");

startActivity(intent);

}

});

imageView\_6.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

intent.putExtra("SelectedImageNumber","5");

startActivity(intent);

}

});

}

}

import android.media.Image;

import android.os.Bundle;

import android.view.View;

import android.widget.ImageView;

import android.widget.RatingBar;

import android.widget.TextView;

public class view\_details extends AppCompatActivity {

TextView txt\_details;

RatingBar ratingBar;

ImageView selected\_image;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_view\_details);

int selectedImageNumber = Integer.parseInt(getIntent().getStringExtra("SelectedImageNumber"));

String details[]=getResources().getStringArray(R.array.friend\_details);

txt\_details = findViewById(R.id.txt\_details);

ratingBar = findViewById(R.id.rating);

selected\_image=findViewById(R.id.selected\_image);

ratingBar.setOnRatingBarChangeListener(new RatingBar.OnRatingBarChangeListener() {

@Override

public void onRatingChanged(RatingBar ratingBar, float rating, boolean fromUser) {

}

});

switch (selectedImageNumber){

case 0:

txt\_details.setText(details[0]);

selected\_image.setImageResource(R.drawable.chandler);

break;

case 1:

txt\_details.setText(details[1]);

selected\_image.setImageResource(R.drawable.joey);

break;

case 2:

txt\_details.setText(details[2]);

selected\_image.setImageResource(R.drawable.monica);

break;

case 3:

txt\_details.setText(details[3]);

selected\_image.setImageResource(R.drawable.phoebe);

break;

case 4:

txt\_details.setText(details[4]);

selected\_image.setImageResource(R.drawable.rachel);

break;

case 5:

txt\_details.setText(details[5]);

selected\_image.setImageResource(R.drawable.ross);

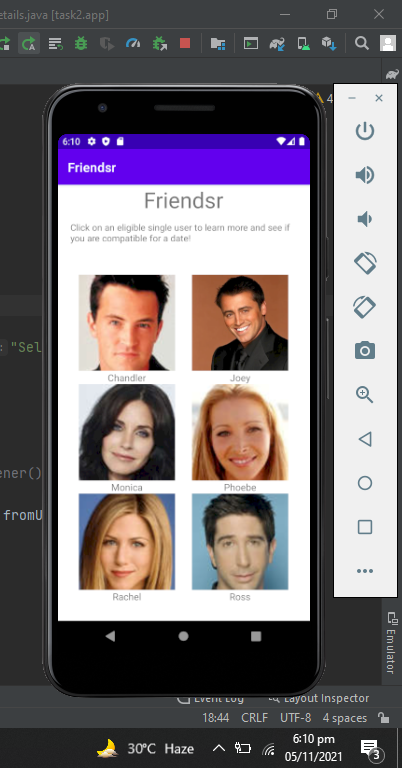
break;

}

}

}

Output



Code

import android.content.Intent;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Intent intent = new Intent(this,SplashScreen.class);

startActivity(intent);

}

}

public class ListOfStories extends AppCompatActivity {

ListView listView;

String[] mobileArray = {"madlib0.txt", "madlib1.txt", "madlib2.txt", "madlib3.txt",

"madlib4.txt"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_list\_of\_stories);

listView = findViewById(R.id.listofstories);

ArrayAdapter adapter = new ArrayAdapter<String>(this, R.layout.item\_listofstories, mobileArray);

listView.setAdapter(adapter);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

TextView selectedItem = (TextView) view;

Intent intent = new Intent(getApplicationContext(),FillingStation.class);

intent.putExtra("selectedItemName",selectedItem.getText().toString());

startActivity(intent);

}

});

}

}

public class StoryDisplay extends AppCompatActivity {

TextView stroyView;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_story\_display);

String story = getIntent().getStringExtra("story");

Log.d("story",story);

stroyView = findViewById(R.id.story);

stroyView.setText(story);

}

}

Output

