

DAY-7

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LoginActivity_java

```
package com.example.sneha_task1;

import android.content.ClipData;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.text.TextUtils;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class LoginActivity extends AppCompatActivity {
    EditText email, password;
    TextView createAccount;
    Button login;
    String emailpattern = "[a-zA-Z0-9._-]+@[a-z]+\\.+[a-z]+";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        getSupportActionBar().setTitle("login");
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        email = (EditText) findViewById(R.id.email);
        password = (EditText) findViewById(R.id.password);
        login = (Button) findViewById(R.id.login);
        createAccount = (TextView) findViewById(R.id.create);

        createAccount.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent isignup =new Intent(LoginActivity.this,
SignupActivity.class);
                LoginActivity.this.startActivity(isignup);
            }
        });
        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if (email.getText().toString().trim().equals("")) {
                    email.setError("Enter Email ID");
                    return;
                }

                if(TextUtils.isEmpty(password.getText().toString())){
                    password.setError("Incorrect password ");
                    return;
                }
            }
        });
    }
}
```

```

    }

    if(!Pattern.matches(emailpattern,email.getText().toString())){
        email.setError("Incorrect Email ID");
        return;
    }

    if (verifyPasswordpattern(password.getText().toString())){
        //here you can code for success !here
        System.out.println("Success");
    }else{
        password.setError("Enter Valid Password");
    }

    new CommonMethod(LoginActivity.this,HomeActivity.class);

}

});

}

private boolean verifyPasswordpattern(final String password) {
    String passwordpattern= "^(?=.*[0-9])(?=.*[az])(?=.*[A-Z])(?=.*[@#$%^&+=])(?=\S+$).{4,}$";

    Pattern pattern = Pattern.compile(passwordpattern);
    Matcher matcher = pattern.matcher(password);

    return matcher.matches();
}

public boolean onOptionsItemSelected(@NonNull MenuItem item){
    int idhome= item.getItemId();
    if (idhome==android.R.id.home){
        onBackPressed();
    }
    return super.onOptionsItemSelected(item);
}

private void onBackPressed(){
    AlertDialog.Builder builder=new AlertDialog.Builder(LoginActivity.this);
    builder.setTitle("Exit");
    builder.setMessage("Do you want to exit!");
    builder.setPositiveButton("yes", new DialogInterface.OnClickListener(){

        @Override
        public void onClick(DialogInterface dialog, int which) {
            finishAffinity();
        }

    });
    builder.setNegativeButton("No", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            dialog.dismiss();
        }
    });
    builder.show();
}

```

```

    }

    @Override
    public void onBackPressed() {
        onBackAlertDialog();
    }
}

```

SignupActivity.java

```

package com.example.sneha_task1;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.RadioGroup.OnCheckedChangeListener;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import java.text.SimpleDateFormat;
import java.time.Year;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Locale;

public class SignupActivity extends AppCompatActivity {
    TextView backtologin;
    EditText emailid, mobilenum, username, login_password,
login_confirmpassword, dateofbirth;
    Spinner citydrop, State;
    Calendar calendar;
    RadioGroup gender;

    Button login_btn;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        getSupportActionBar().hide();
        String[] CitySpinner = new String[]{
            "City",
            "Ahmdabad",
            "surat",
            "Gandhinagar"
        }
    }
}

```

```

    };
    backtologin = (TextView) findViewById(R.id.Logintoback);
    username = (EditText) findViewById(R.id.username);
    emailid = (EditText) findViewById(R.id.emailid);
    login_password = (EditText) findViewById(R.id.Login_password);
    login_confirmpassword = (EditText)
findViewById(R.id.Login_confirmpassword);
    mobilenumber = (EditText) findViewById(R.id.mobilenumber);
    dateofbirth = (EditText) findViewById(R.id.dateofbirth);
    State = (Spinner) findViewById(R.id.state);
    gender = (RadioGroup) findViewById(R.id.gender);
    citydrop = (Spinner) findViewById(R.id.citydrop);

    calendar = Calendar.getInstance();
    DatePickerDialog.OnDateSetListener dateSetListener = new
DatePickerDialog.OnDateSetListener() {
    @Override
    public void onDateSet(DatePicker view, int year, int month, int
dayOfMonth) {
        calendar.set(calendar.YEAR, year);
        calendar.set(calendar.MONTH, month);
        calendar.set(calendar.DAY_OF_MONTH, dayOfMonth);

        SimpleDateFormat dateFormat = new SimpleDateFormat("dd/mm/yyyy",
Locale.US);
        dateofbirth.setText(dateFormat.format(calendar.getTime()));
    }
};
dateofbirth.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        DatePickerDialog dialog = new
DatePickerDialog(SignupActivity.this, dateSetListener,
calendar.get(calendar.YEAR), calendar.get(calendar.MONTH),
calendar.get(calendar.DAY_OF_MONTH));
        dialog.getDatePicker().setMaxDate(System.currentTimeMillis());
        dialog.show();
    }
});

gender.setOnCheckedChangeListener(new OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(RadioGroup group, int checkedId) {
        int id = gender.getCheckedRadioButtonId();
        RadioButton radioButton = findViewById(id);
    }
});

ArrayList<String> stateList = new ArrayList<>();
stateList.add("State");
stateList.add("Gujarat");
stateList.add("Maharashtra");
stateList.add("Madyapradesh");
ArrayAdapter stateAdapter = new ArrayAdapter(SignupActivity.this,
android.R.layout.simple_list_item_1, stateList);
stateAdapter.setDropDownViewResource(android.R.layout.simple_list_item_1);

```

```

        State.setAdapter(stateAdapter);
        State.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int
position, long id) {
                String StateSTR = stateList.get(position);
                Toast.makeText(SignupActivity.this, StateSTR, Toast.LENGTH_LONG);
                onStateSetCity(position);
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {

            }
        });
        backtologin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                onBackPressed();
            }
        });
    }

    private void onStateSetCity(int position) {
        ArrayList<String> cityList = new ArrayList<>();
        if (position == 1) {
            cityList.add("Ahmdabad");
            cityList.add("Gandhinagar");
            cityList.add("Anand");
            cityList.add("Vadodra");
        }
        if (position == 2) {
            cityList.add("Mumbai");
            cityList.add("Pune");
            cityList.add("Nashik");
        }
        if (position == 3) {
            cityList.add("Indor");
            cityList.add("Bhopal");
            cityList.add("ujjain");
        }
        ArrayAdapter cityAdapter = new ArrayAdapter(SignupActivity.this,
android.R.layout.simple_list_item_1,cityList);
        cityAdapter.setDropDownViewResource(android.R.layout.simple_list_item_1);
        citydrop.setAdapter(cityAdapter);
    }
}

```

Activity_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<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=".LoginActivity"
    android:orientation="vertical">
    <TextView
        android:id="@+id/text"
        android:text="LOGIN"
        android:textColor="@color/black"
        android:textSize="24dp"
        android:layout_marginVertical="50dp"
        android:textAlignment="gravity"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal" />

    <EditText
        android:id="@+id/email"
        android:drawableLeft="@drawable/ic_baseline_email_24"
        android:hint="Enter Your EmailId"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:layout_marginHorizontal="20dp"

    />

    <EditText
        android:id="@+id/password"
        android:drawableLeft="@drawable/ic_baseline_lock_24"
        android:hint="Enter Your Password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginHorizontal="20dp"
    />

    <Button
        android:id="@+id/login"
        android:layout_marginTop="60dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="20dp"
        android:text="submit"
        android:textColor="@color/white"/>

    <TextView
        android:id="@+id/create"
        android:layout_marginTop="40dp"
        android:textAlignment="center"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Create New Account"
        android:gravity="center_horizontal" />
```

</LinearLayout>

Activity_signup.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView 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=".SignupActivity"
    android:orientation="vertical">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <TextView
            android:id="@+id/singuptext"
            android:textSize="24dp"
            android:text="Create New Account"
            android:layout_marginVertical="50dp"
            android:textAlignment="center"
            android:layout_marginTop="10dp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center_horizontal" />
        <EditText
            android:id="@+id/username"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginHorizontal="10dp"
            android:layout_marginBottom="5dp"
            android:capitalize="words"
            android:hint="Username"
            android:inputType="text"
            android:paddingHorizontal="15dp"
            android:paddingVertical="15dp"
            android:drawablePadding="10dp"
            android:textSize="18dp"
            android:background="@drawable/inputbox"
            android:drawableLeft="@drawable/ic_baseline_person_24"
            />
        <EditText
            android:id="@+id/emailid"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginHorizontal="10dp"
            android:layout_marginBottom="5dp"
            android:capitalize="words"
            android:hint="emailid"
            android:inputType="textEmailAddress"
            android:paddingHorizontal="15dp"
            android:paddingVertical="15dp"
```



```

        android:drawablePadding="10dp"
        android:textSize="18dp"
        android:background="@drawable/inputbox"
        android:drawableLeft="@drawable/ic_baseline_email_24"
    />
<EditText
    android:id="@+id/mobilenumber"
    android:layout_width="match_parent"
    android:layout_height="65dp"
    android:layout_marginHorizontal="10dp"
    android:layout_marginBottom="5dp"
    android:capitalize="words"
    android:hint="mobile Numeber"
    android:inputType="textPhonetic"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="12dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_local_phone_24"
/>

<EditText
    android:id="@+id/login_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginHorizontal="10dp"
    android:layout_marginTop="5dp"
    android:layout_marginBottom="5dp"
    android:capitalize="words"
    android:hint="Password"
    android:inputType="textPassword"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_lock_24"
/>

<EditText
    android:id="@+id/login_confirmpassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginHorizontal="10dp"
    android:layout_marginTop="5dp"
    android:layout_marginBottom="5dp"
    android:capitalize="words"
    android:hint="Confirm Password"
    android:inputType="textPassword"
    android:paddingHorizontal="15dp"
    android:paddingVertical="15dp"
    android:drawablePadding="10dp"
    android:textSize="18dp"
    android:background="@drawable/inputbox"
    android:drawableLeft="@drawable/ic_baseline_lock_24"
/>
<EditText
    android:id="@+id/dateofbirth"

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginHorizontal="10dp"
        android:layout_marginBottom="5dp"
        android:capitalize="words"
        android:hint="Date Of Birth"
        android:inputType="date"
        android:paddingHorizontal="15dp"
        android:paddingVertical="15dp"
        android:drawablePadding="10dp"
        android:textSize="18dp"
        android:background="@drawable/inputbox"
        android:drawableLeft="@drawable/ic_baseline_date_range_24"
    />

    <TextView
        android:id="@+id/gender_text"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAlignment="textStart"
        android:gravity="start"
        android:text="Gender"
        android:layout_marginHorizontal="10dp"
        android:textSize="18dp"
        android:textColor="#000"
        android:layout_marginVertical="5dp"
    />

    <RadioGroup
        android:id="@+id/gender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginVertical="10dp"
        android:layout_marginHorizontal="10dp">
        <RadioButton
            android:id="@+id/male"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Male"
            android:textSize="10dp"
            android:layout_weight="1"/>
        <RadioButton
            android:id="@+id/female"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="FeMale"
            android:textSize="10dp"
            android:layout_weight="1"/>
        <RadioButton
            android:id="@+id/others"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Others"
            android:textSize="10dp"
            android:layout_weight="1"/>
    </RadioGroup>

```

```

        <Spinner
            android:id="@+id/state"
            android:layout_width="match_parent"
            android:layout_height="65dp"
            android:paddingHorizontal="15dp"
            android:paddingVertical="15dp"
            android:soundEffectsEnabled="true"
            android:popupElevation="3.0dp"
            android:contextClickable="true"
            android:layout_marginHorizontal="10dp"
            android:background="@drawable/inputbox"/>

        <Spinner
            android:id="@+id/citydrop"
            android:layout_width="match_parent"
            android:layout_height="65dp"
            android:paddingHorizontal="15dp"
            android:paddingVertical="15dp"
            android:soundEffectsEnabled="true"
            android:popupElevation="3.0dp"
            android:contextClickable="true"
            android:layout_marginHorizontal="10dp"
            android:background="@drawable/inputbox"/>

        <Button
            android:id="@+id/login_btn"
            android:layout_width="match_parent"
            android:layout_height="55dp"
            android:layout_marginTop="10dp"
            android:layout_marginHorizontal="10dp"
            android:textColor="@color/black"
            android:background="@color/cardview_light_background"
            android:textSize="20dp"
            android:textAllCaps="false"
            android:elevation="0.0dp"
            android:text="BUTTON"/>
        <TextView
            android:id="@+id/logintoback"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Back to login"
            android:textColor="#243FFF"
            android:textSize="20dp"
            android:layout_marginTop="10dp"
            android:textAlignment="center"
            android:gravity="center_horizontal" />
    </LinearLayout>

</ScrollView>

```

HomeActivity.java

```
package com.example.sneha_task1;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DefaultItemAnimator;
import androidx.recyclerview.widget.RecyclerView;
import androidx.recyclerview.widget.StaggeredGridLayoutManager;

import android.content.Context;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

public class HomeActivity extends AppCompatActivity {
    RecyclerView recyclerView;
    String[] productsNames= new String[]{"Apple","kiwi","watermelon","Orange"};
    int[] imgIndex={
        R.drawable.apple,
        R.drawable.kiwi,
        R.drawable.watermelon,
        R.drawable.orange
    };

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

        getSupportActionBar().setTitle("HOME");
        recyclerView=(RecyclerView)findViewById(R.id.recycler);
        recyclerView.setLayoutManager(new
StaggeredGridLayoutManager(2,StaggeredGridLayoutManager.VERTICAL));
        recyclerView.setItemAnimator(new DefaultItemAnimator());
        ProductsAdapter productAdaper=new
ProductsAdapter(HomeActivity.this,productsNames,imgIndex);
        recyclerView.setAdapter(productAdaper);

    }
    private class ProductsAdapter extends
RecyclerView.Adapter<ProductsAdapter.Myholder>{
        Context context;
        String[] productsNames;
        int[] productsId;
        public ProductsAdapter(HomeActivity homeActivity,String[] productsNames,
int[] productsId){
            this.context = homeActivity;
            this.productsNames = productsNames;
            this.productsId = productsId;

        }
        @NonNull
        @Override
        public Myholder onCreateViewHolder(@NonNull ViewGroup
```

```

        ViewGroup, int i) {
    View view = LayoutInflater.from(viewGroup.getContext())
        .inflate(R.layout.activity_product_card,viewGroup,
            false);
    return new Myholder(view);
}
@Override
public void onBindViewHolder(@NonNull
                                HomeActivity.ProductsAdapter.Myholder
holder, int position) {
    holder.name.setText(productsNames[position]);
    holder.imageView.setImageResource(imgIndex[position]);
}
@Override
public int getItemCount() {
    return productsNames.length;
}
public class Myholder extends RecyclerView.ViewHolder{
    ImageView imageView;
    TextView name;
    public Myholder(@NonNull View itemView){
        super(itemView);
        name= itemView.findViewById(R.id.products_text);
        imageView =
            itemView.findViewById(R.id.products_id);
    }
}
}
}

```

activity_home.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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=".HomeActivity">

    <TextView
        android:id="@+id/products"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="products"
        android:textSize="25dp"
        style="@style/TextAppearance.AppCompat.Body2"
        android:padding="10dp"/>
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recycler"
        android:layout_below="@+id/products"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        />

```

```
</RelativeLayout>
```

Product_card.java

```
package com.example.sneha_task1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class Product_Card extends AppCompatActivity {

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

activity_product_card.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    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="wrap_content"
    android:elevation="1.0dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="3.5dp"
    android:layout_marginHorizontal="5dp"
    android:layout_marginVertical="5dp"
    >
    <LinearLayout
        android:id="@+id/linearlayout"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/products_id"
            android:layout_width="match_parent"
            android:layout_height="160dp"
            android:scaleType="fitXY"/>

        <FrameLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">
            <TextView
                android:id="@+id/products_text"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:textColor="@color/black"
                android:paddingVertical="10dp"
                android:paddingHorizontal="10dp"
                android:textSize="15dp"
                style="@style/TextAppearance.AppCompat.Body2"
                android:background="#F8E6E6"/>
        </FrameLayout>
    </LinearLayout>
</CardView>
```

```

        </FrameLayout>
    </LinearLayout>
</androidx.cardview.widget.CardView>

```

AndroidManifest.xml

```

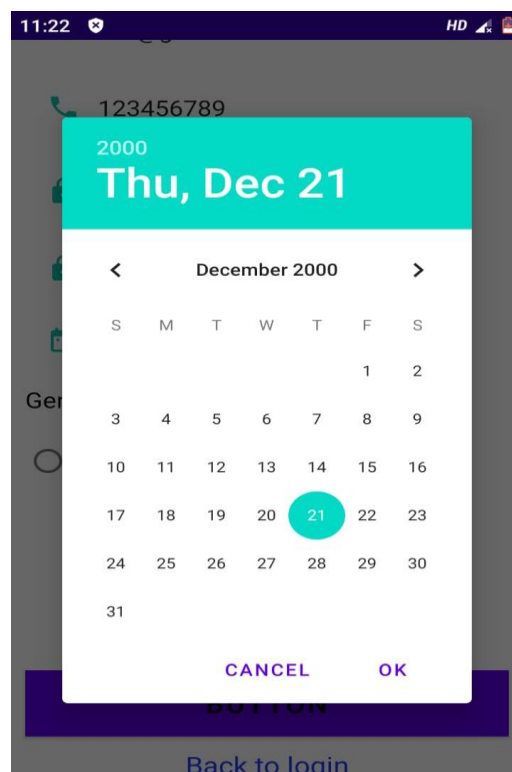
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.sneha_task1">

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher_foreground"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.Sneha_task1">
        <activity android:name=".HomeActivity"></activity>
        <activity android:name=".SignupActivity" />
        <activity android:name=".LoginActivity" />
        <activity android:name=".splashmain">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>

```



11:23 HD

123456789

.....

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21/19/2000

Gender

☐ Male ☒ FeMale ☐ Others

State

Gujarat

Maharashtra

Madyapradesh

Back to login

11:23 HD

123456789

.....

.....

21/19/2000

Ahmdabad

Gandhinagar

Anand

Vadodra

Ahmdabad

BUTTON

Back to login

