MOBILE APPLICATION DESIGN AND DEVELOPMENT DA – 01

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1. Intent with Data transfer

Activity_main.xml

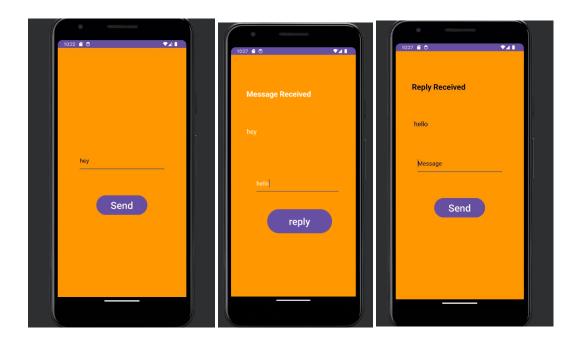
```
<androidx.constraintlayout.widget.ConstraintLayout</p>
        android:inputType="textPersonName"
```

Activity_main2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/tools"
    android:layout.width="match_parent"
    android:layout.height="match_parent"
    android:layout.height="match_parent"
    android:background="#FF9800"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="296dp"
        android:layout_width="296dp"
        android:layout.pwidth="75dp"
        android:text="Message Received"
        android:text="Message Received"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.504"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_onstraintTop_toTopOf="parent"
        android:layout_width="280dp"
        android:textSize="20sp"
        android:textColor="@color/white"
        android:textColor="@color/white"
        android:textColor="color/white"
        android:textColor="color-white"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintStart_toStartOf="pare
```

```
<EditText
    android:id="@+id/e"
    android:layout_width="267dp"
    android:layout_height="66dp"
    android:iems="10"
    android:hint="Type here to reply"
    android:inputType="textPersonName"
    android:textColor="@color/white"
    android:textColor="@color/white"
    android:textColorHint="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintHod_toEndOf="parent"
    app:layout_constraintHod_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.535" />

<Button
    android:id="@+id/button"
    android:layout_width="204dp"
    android:layout_width="204dp"
    android:text="reply"
    android:text="reply"
    android:textSize="30dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintHorizontal_bias="0.603"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintVertical_bias="0.712" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



2. Scroll View

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:paddingStart="16dp"
    android:paddingEnd="16dp"
    android:paddingEnd="16dp"
    android:paddingBottom="16dp"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Vertical ScrollView example"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:layout_centerHorizontal="true"
        android:layout_alignParentTop="true" />

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView"
        android:layout_marginTop="16dp">

        <Li>LinearLayout
        android:layout_width="match_parent"
        android:layout_marginTop="16dp">

        <Li>LinearLayout
        android:layout_width="match_parent"
        android:layout_marginTop="16dp">

        </scrollview="android:layout_marginTop="16dp">

        </scrollview="androi
```

```
android:layout height="wrap content"
android:text="Button 10" />
```

```
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:text="Button 15" />

<Button
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:text="Button 16" />

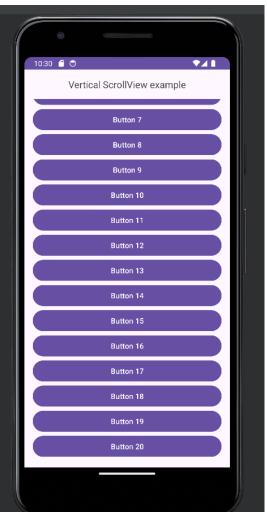
<Button
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:text="Button 20" />

</ElinearLayout>

</RelativeLayout>
</RelativeLayout>
```

```
package com.example.scrollview;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```





3. Progress Bar

Activity_main.xml

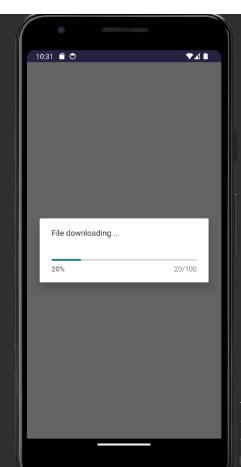
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity" >

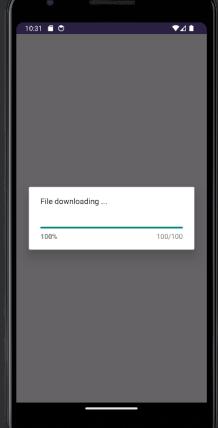
    <Button
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="Download File" />

</RelativeLayout>
```

```
import android.app.Activity;
               new Thread(new Runnable() {
```







Rating Bar

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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="example.javatpoint.com.ratingbar.MainActivity">

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintRight_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.615" />

<RatingBar
    android:layout_width="wrap_content"
    android:layout_beight="wrap_content"
    android:layout_marginLeft="72dp"
    android:layout_marginLeft="72dp"
    android:layout_constraintStart_toStartOf="parent"
    app:layout_constraintStart_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

```
package com.example.ratingbar;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RatingBar;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
   RatingBar ratingbar;
   Button button;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        addListenerOnButtonClick();
   }
   public void addListenerOnButtonClick() {
        ratingbar=(RatingBar)findViewById(R.id.ratingBar);
        button=(Button)findViewById(R.id.button);
```

```
//Performing action on Button Click
button.setOnClickListener(new View.OnClickListener() {

    @Override
    public void onClick(View arg0) {
        //Getting the rating and displaying it on the toast
        String rating=String.valueOf(ratingbar.getRating());
        Toast.makeText(getApplicationContext(), rating,

Toast.LENGTH_LONG).show();
    }
}

});
}
```

