Lab 13: Android Vertical ScrollView

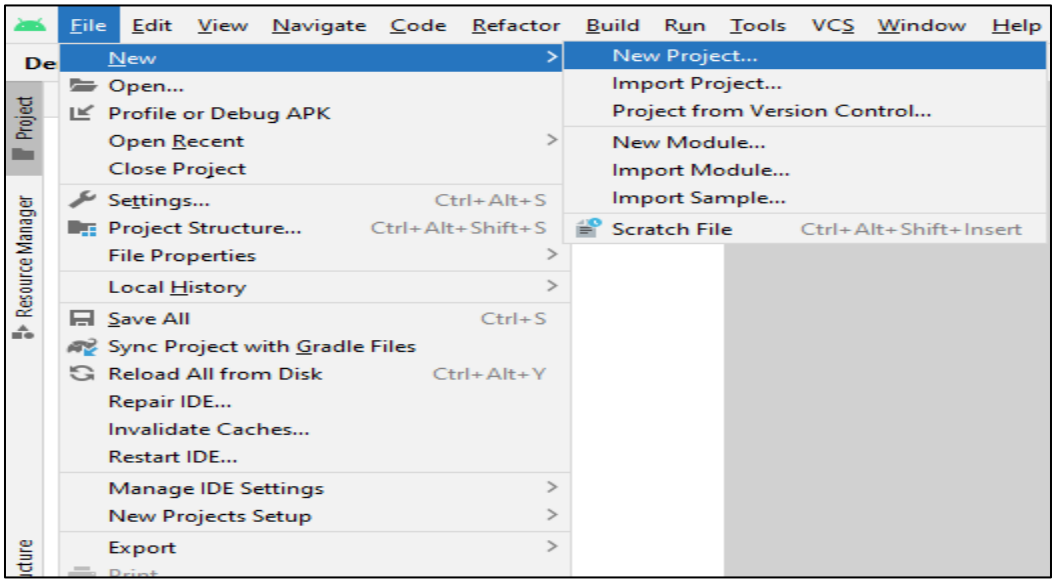
Introduction

The **android.widget.ScrollView** class provides the functionality of scroll view. ScrollView is used to scroll the child elements of the palette inside ScrollView. the default scroll view is vertical scroll view to scroll elements vertically.you may use *HorizontalScrollView* for horizontal ScrollView.

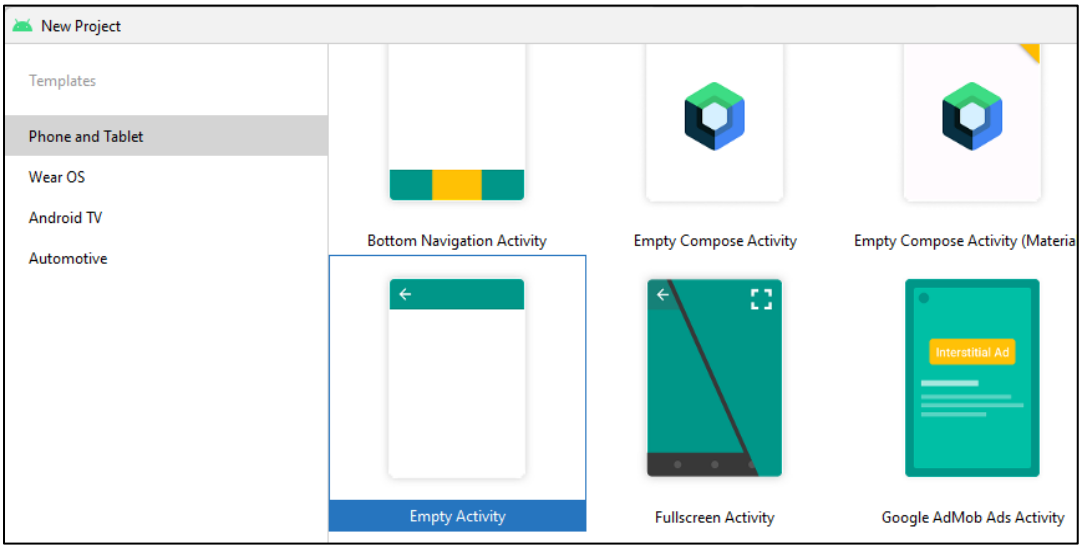
Let's get Started

Here is an exercise demonstrating the development of the following vertical ScrollView.

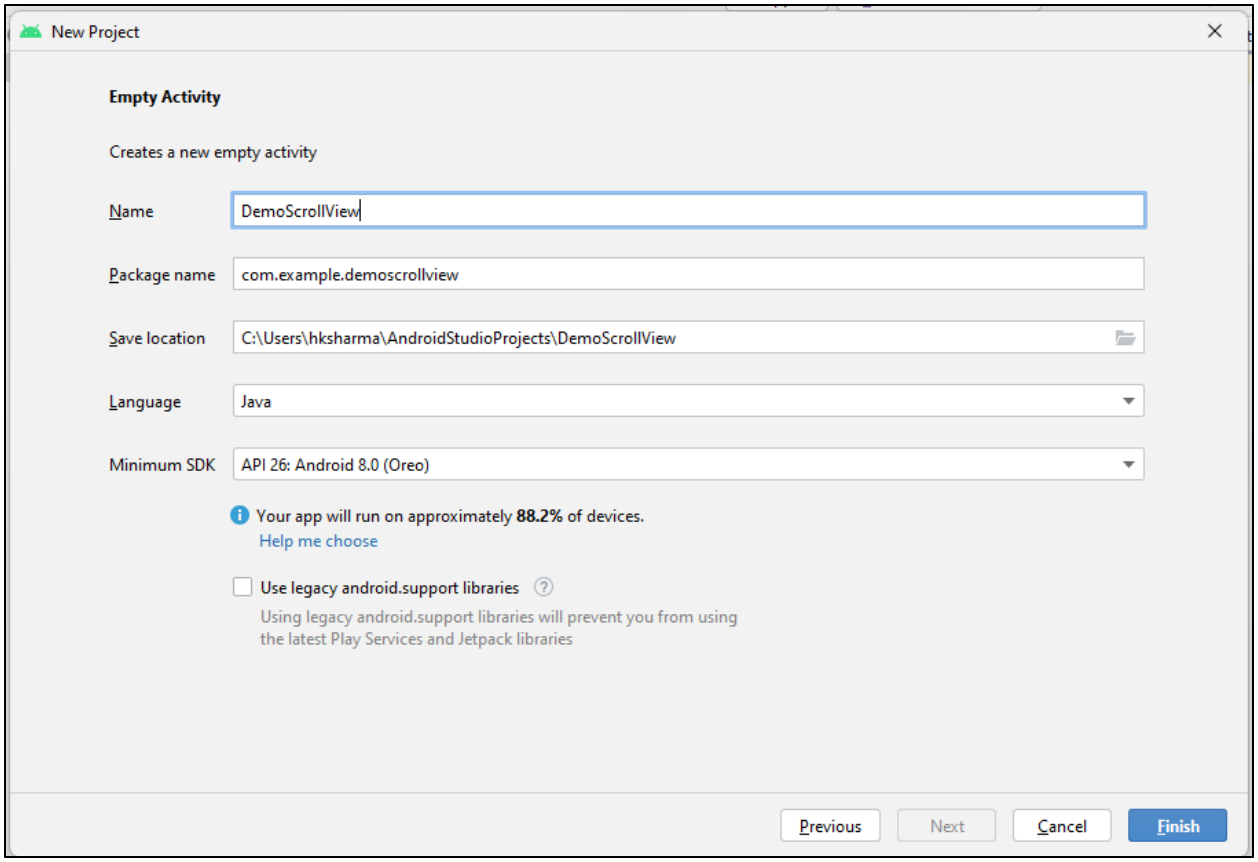
Step 1: Create a New Project in Android Studio as shown below



Step 2: Select Empty Activity as shown below



Step 3: Provide a Project Name as shown below



Step 4: Update MainActivity.java as per the code given below

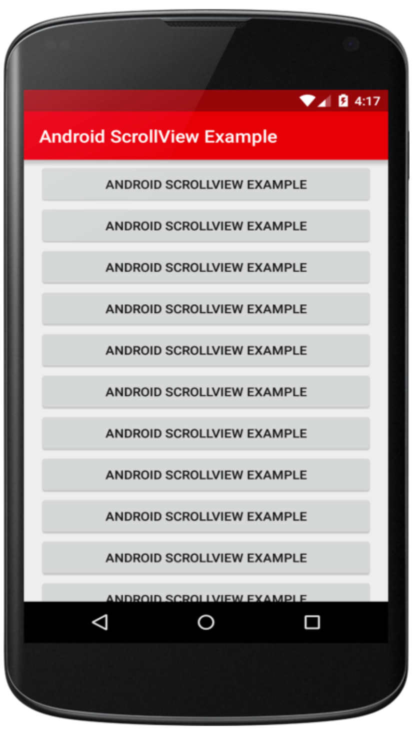
```
package com.example.demoscrollview;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {

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

Step 5: Update activity_main.xml for Vertical Orientation as per the code given below

```
<?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">

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

    <ScrollView android:layout_marginTop="30dp"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:id="@+id/scrollView">

        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"
            android:orientation="vertical" >

            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
```

```
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
            <Button
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text="Android ScrollView Example" />
        </LinearLayout>
    </ScrollView>

</RelativeLayout>
```

Step 6: Check Output on Android Emulator and it should look like as given below



Voila!! We have successfully completed this lab.