

**Mobile Applications Development**

**List view**

**Course Instructor:** Muhammad Ahmed  **Total Marks: 10**

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Q1: Implement List View Using Month name’s:

1. List View Using Months name

☺☺☺☺ *Good Luck* ☺☺☺☺

Hear we Have Solution of List View:

**Main Activity**

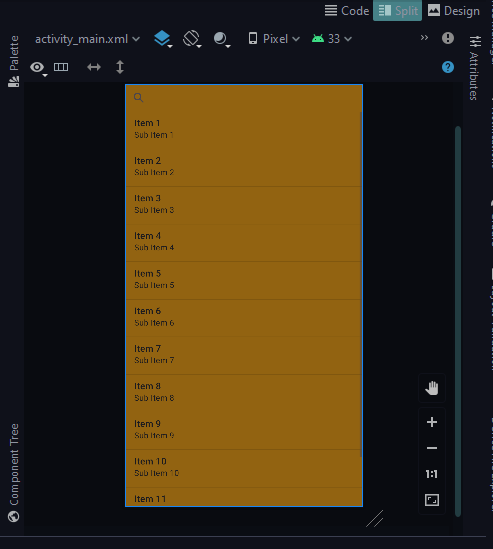
**Main Activity Xml:**

<?*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:orientation*="vertical"  
 *android:layout\_height*="match\_parent"  
 *android:background*="#926311"  
 *tools:context*=".MainActivity">  
  
 <SearchView  
 *android:id*="@+id/search"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 >  
  
 </SearchView>  
  
 <ListView  
 *android:id*="@+id/list\_View"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content" />  
</LinearLayout>

**Main Activity Java:**

*package* com.example.listview;  
  
*import* android.annotation.SuppressLint;  
*import* android.os.Bundle;  
*import* android.widget.ArrayAdapter;  
*import* android.widget.ListView;  
*import* android.widget.SearchView;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* java.util.ArrayList;  
  
*public class* MainActivity *extends* AppCompatActivity {  
 ListView listView;  
 SearchView searchView;  
 ArrayList<String> arrayList;  
 ArrayAdapter<String> arrayAdapter;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 listView = findViewById(R.id.*list\_View*);  
 searchView = findViewById(R.id.*search*);  
 arrayList = *new* ArrayList<>();  
 arrayList.add("January");  
 arrayList.add("February");  
 arrayList.add("March");  
 arrayList.add("April");  
 arrayList.add("May");  
 arrayList.add("June");  
 arrayList.add("July");  
 arrayList.add("August");  
 arrayList.add("September");  
 arrayList.add("October");  
 arrayList.add("November");  
 arrayList.add("December");  
  
  
 arrayAdapter = *new* ArrayAdapter<>(*this*, android.R.layout.***simple\_list\_item\_1***, arrayList);  
 listView.setAdapter(arrayAdapter);  
 searchView.setOnQueryTextListener(*new* SearchView.OnQueryTextListener() {  
 @Override  
 *public boolean* onQueryTextSubmit(String query) {  
  
 arrayAdapter.getFilter().filter(query);  
 *return false*;  
 }  
  
 @Override  
 *public boolean* onQueryTextChange(String newText) {  
 arrayAdapter.getFilter().filter(newText);  
 *return false*;  
  
 }  
 });  
 }  
}

**Main activity Design:**

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**<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<The End>>>>>>>>>>>>>>>>>>>>>>>>>>>>>**