3.9 Search

MainActivity.java

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| package com.example.search;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle; import android.text.Editable; import android.text.TextWatcher; import android.widget.ArrayAdapter; import android.widget.EditText; import android.widget.ListView;  import java.util.ArrayList; import java.util.HashMap; import java.util.List;  public class MainActivity extends AppCompatActivity {  private ListView lv;  ArrayAdapter<String> adapter;  EditText inputSearch;  ArrayList<HashMap<String,String>> productList;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate( savedInstanceState );  setContentView( R.layout.*activity\_main* );   String products[]={"Dell Inspiron","HTC one X","HTC WildFire","HTS Sense","HTCC Sensation","Iphone 6","Samasung Galaxy","Samsung ASDA","MacBook Air","Legion Y530","MAcBook PRO MINI"};   lv=(ListView) findViewById( R.id.*list\_view* );  inputSearch=(EditText ) findViewById( R.id.*inputSearch* );  adapter= new ArrayAdapter<String>( this, R.layout.*list\_view*,R.id.*product\_name*, products );  lv.setAdapter( adapter );   inputSearch.addTextChangedListener( new TextWatcher() {  @Override  public void onTextChanged(CharSequence cs, int arg1, int arg2, int arg3) {  MainActivity.this.adapter.getFilter().filter( cs);  }  @Override  public void beforeTextChanged(CharSequence arg0, int arg1, int arg2, int arg3) {   }  @Override  public void afterTextChanged(Editable arg0) {   }  } );  } } |

activityMain.xml

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| <?xml version="1.0" encoding="utf-8"?> <LinearLayout  xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="fill\_parent"  android:layout\_height="fill\_parent"  android:orientation="vertical"  >   <EditText  android:id="@+id/inputSearch"  android:layout\_width="fill\_parent"  android:layout\_height="wrap\_content"  android:hint="Search Product"  android:inputType="textVisiblePassword"/>  <ListView  android:layout\_width="fill\_parent"  android:layout\_height="wrap\_content"  android:id="@+id/list\_view"/>  </LinearLayout> |

listView.xml

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| <?xml version="1.0" encoding="utf-8"?> <LinearLayout  xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical">   <TextView  android:layout\_width="fill\_parent"  android:layout\_height="wrap\_content"  android:id="@+id/product\_name"  android:padding="10dip"  android:textSize="16dip"  android:textStyle="bold"/> </LinearLayout> |

androidManifest.xml

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| <?xml version="1.0" encoding="utf-8"?> <manifest xmlns:android="http://schemas.android.com/apk/res/android"  package="com.example.search">   <application  android:allowBackup="true"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/AppTheme">  <activity android:name=".MainActivity"  android:windowSoftInputMode="stateHidden">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  </application>  </manifest> |

