**[ 2CEIT509 MOBILE APPLICATION DEVELOPMENT]**

Assignment: 2



**AIM- Books Listing App**

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**Batch:-MAD6**



**Department of Computer**

**Engineering/Information Technology**

activity\_main.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:id="@+id/main\_parent"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context="com.example.android.books.MainActivity">

<!-- Card View for the user's search text and search button -->

<android.support.v7.widget.CardView

android:id="@+id/card\_view"

android:layout\_width="@dimen/search\_bar\_width"

android:layout\_height="@dimen/card\_view\_height"

android:layout\_centerInParent="true"

app:cardUseCompatPadding="true">

<!-- Horizontal LinearLayout container for the text and the button -->

<LinearLayout

android:layout\_width="@dimen/search\_bar\_width"

android:layout\_height="match\_parent">

<!-- Editable TextView for the user's search criteria -->

<EditText

android:id="@+id/user\_input\_edit\_text\_view"

android:layout\_width="@dimen/search\_editable\_text\_width"

android:layout\_height="match\_parent"

android:background="@android:color/transparent"

android:hint="@string/tooltip\_search\_button"

android:imeOptions="actionDone"

android:inputType="text"

android:maxLines="1"

android:padding="@dimen/min\_dimension"/>

<!-- Button for the user to get the results for their search -->

<ImageButton

android:id="@+id/search\_button"

android:layout\_width="@dimen/search\_button\_width"

android:layout\_height="match\_parent"

android:background="@color/search\_button\_background"

android:contentDescription="@string/search\_button\_content\_desc"

android:onClick="searchFor"

android:scaleType="centerInside"

android:src="@drawable/ic\_search\_black\_18px"/>

</LinearLayout>

</android.support.v7.widget.CardView>

<!-- TextView for the title of the search interface -->

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_above="@id/card\_view"

android:gravity="center"

android:paddingBottom="@dimen/title\_bottom\_padding"

android:text="@string/title\_text"

android:textAppearance="?android:textAppearanceLarge"

android:textColor="@android:color/holo\_green\_dark"

android:textSize="@dimen/title\_text\_size"

android:typeface="monospace"/>

<!-- Checkbox for searching book titles matching search text -->

<RadioGroup

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/card\_view"

android:layout\_centerInParent="true"

android:orientation="horizontal">

<RadioButton

android:id="@+id/title\_radio"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="@dimen/min\_dimension"

android:text="@string/title\_radio\_text"/>

<!-- Checkbox for searching book authors matching search text -->

<RadioButton

android:id="@+id/author\_radio"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="@dimen/min\_dimension"

android:text="@string/author\_radio\_text"/>

<!-- Checkbox for searching books based on ISBN of the book -->

<RadioButton

android:id="@+id/isbn\_radio"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="@dimen/min\_dimension"

android:text="@string/isbn\_radio\_text"/>

</RadioGroup>

</RelativeLayout>

Android Manifest.xml

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

<manifest

xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.android.books">

<uses-permission android:name="android.permission.INTERNET"/>

<uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"/>

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN"/>

<category android:name="android.intent.category.LAUNCHER"/>

</intent-filter>

</activity>

<activity

android:name=".QueryResultsActivity"

android:label="Results">

<meta-data

android:name="android.support.PARENT\_ACTIVITY"

android:value=".MainActivity"/>

</activity>

</application>

</manifest>

Gradle.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

<component name="GradleSettings">

<option name="linkedExternalProjectsSettings">

<GradleProjectSettings>

<option name="distributionType" value="DEFAULT\_WRAPPED" />

<option name="externalProjectPath" value="$PROJECT\_DIR$" />

<option name="modules">

<set>

<option value="$PROJECT\_DIR$" />

<option value="$PROJECT\_DIR$/app" />

</set>

</option>

<option name="resolveModulePerSourceSet" value="false" />

</GradleProjectSettings>

</option>

</component>

</project>

Misc.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

<component name="NullableNotNullManager">

<option name="myDefaultNullable" value="android.support.annotation.Nullable" />

<option name="myDefaultNotNull" value="android.support.annotation.NonNull" />

<option name="myNullables">

<value>

<list size="5">

<item index="0" class="java.lang.String" itemvalue="org.jetbrains.annotations.Nullable" />

<item index="1" class="java.lang.String" itemvalue="javax.annotation.Nullable" />

<item index="2" class="java.lang.String" itemvalue="javax.annotation.CheckForNull" />

<item index="3" class="java.lang.String" itemvalue="edu.umd.cs.findbugs.annotations.Nullable" />

<item index="4" class="java.lang.String" itemvalue="android.support.annotation.Nullable" />

</list>

</value>

</option>

<option name="myNotNulls">

<value>

<list size="4">

<item index="0" class="java.lang.String" itemvalue="org.jetbrains.annotations.NotNull" />

<item index="1" class="java.lang.String" itemvalue="javax.annotation.Nonnull" />

<item index="2" class="java.lang.String" itemvalue="edu.umd.cs.findbugs.annotations.NonNull" />

<item index="3" class="java.lang.String" itemvalue="android.support.annotation.NonNull" />

</list>

</value>

</option>

</component>

<component name="ProjectRootManager" version="2" languageLevel="JDK\_1\_7" project-jdk-name="1.8" project-jdk-type="JavaSDK">

<output url="file://$PROJECT\_DIR$/build/classes" />

</component>

<component name="ProjectType">

<option name="id" value="Android" />

</component>

</project>

Modules.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

<component name="ProjectModuleManager">

<modules>

<module fileurl="file://$PROJECT\_DIR$/Books.iml" filepath="$PROJECT\_DIR$/Books.iml" />

<module fileurl="file://$PROJECT\_DIR$/app/app.iml" filepath="$PROJECT\_DIR$/app/app.iml" />

</modules>

</component>

</project>

runConfiguration.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

<component name="RunConfigurationProducerService">

<option name="ignoredProducers">

<set>

<option value="org.jetbrains.plugins.gradle.execution.test.runner.AllInPackageGradleConfigurationProducer" />

<option value="org.jetbrains.plugins.gradle.execution.test.runner.TestClassGradleConfigurationProducer" />

<option value="org.jetbrains.plugins.gradle.execution.test.runner.TestMethodGradleConfigurationProducer" />

</set>

</option>

</component>

</project>

Vcs.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

<component name="VcsDirectoryMappings">

<mapping directory="$PROJECT\_DIR$" vcs="Git" />

</component>

</project>

scrim.xml

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

<shape

xmlns:android="http://schemas.android.com/apk/res/android">

<gradient

android:angle="90"

android:centerY="0.3"

android:startColor="#CC000000"

android:centerColor="#66000000"

android:endColor="#00000000"

android:type="linear"/>

</shape>

Book\_card.xml

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

<android.support.v7.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:id="@+id/card\_view"

android:layout\_width="@dimen/book\_width"

android:layout\_height="@dimen/book\_height"

app:cardUseCompatPadding="true">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<!-- Front cover image of the book -->

<ImageView

android:id="@+id/front\_cover\_art\_image\_view"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:contentDescription="@string/book\_cover\_image"

android:scaleType="fitXY"

android:src="@drawable/book\_cover"/>

<!-- Title of the book -->

<TextView

android:id="@+id/book\_title\_text\_view"

style="@style/book\_title\_text"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="@dimen/vertical\_spacing"

android:gravity="center"

tools:text="Title"/>

<LinearLayout

style="@style/book\_info\_centering"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_alignParentBottom="true"

android:layout\_marginBottom="@dimen/vertical\_spacing"

android:orientation="vertical">

<!-- Author of the book -->

<TextView

android:id="@+id/author\_text\_view"

style="@style/book\_author\_text"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

tools:text="Author"/>

<!-- Average Ratings for the book -->

<RatingBar

android:id="@+id/rating\_bar"

style="?android:attr/ratingBarStyleSmall"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:isIndicator="true"

android:numStars="5"

android:rating="3"

android:stepSize="0.1"/>

<!-- Price of the book -->

<TextView

android:id="@+id/retail\_price\_text\_view"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="@dimen/min\_dimension"

android:textColor="@android:color/holo\_blue\_light"

android:textSize="@dimen/book\_secondary\_info"

tools:text="$4.99"/>

</LinearLayout>

</RelativeLayout>

</android.support.v7.widget.CardView>

List\_of\_books.xml

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

<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<!-- Recycler View to populate list of books from querying the API -->

<com.example.android.books.BookRecyclerView

android:id="@+id/recycler\_view"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:scrollbars="vertical">

</com.example.android.books.BookRecyclerView>

<!-- Indeterminate progress bar indicating that the results are currently being fetched -->

<ProgressBar

android:id="@+id/progress\_spinner"

style="@style/Widget.AppCompat.ProgressBar"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"/>

<!-- Empty TextView when there is no data for the query from the API -->

<TextView

android:id="@+id/empty\_text\_view"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:gravity="center"

android:textSize="24sp"/>

</RelativeLayout>

Colors.xml

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

<resources>

<!-- Primary color of the app (shown in the app bar) -->

<color name="colorPrimary">#4CAF50</color>

<!-- Primary dark color of the app (shown in the status bar) -->

<color name="colorPrimaryDark">#087f23</color>

<!-- Accent color of the app -->

<color name="colorAccent">#FF4081</color>

<!-- Background color for the image button with the magnifying glass -->

<color name="search\_button\_background">#D3D3D3</color>

<!-- Text color for the book's author text -->

<color name="book\_author\_text\_color">#FFAB40</color>

<!-- Button tint color for the checkboxes in the main page -->

<color name="checkbox\_tint">#FFAB40</color>

</resources>

Dimens.xml

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

<resources>

<!-- Left hand side spacing for the editable search bar text view -->

<dimen name="search\_bar\_left\_spacing">40dp</dimen>

<!-- Width dimension for the editable search bar text view-->

<dimen name="search\_bar\_width">320dp</dimen>

<!-- Bottom padding for the interface title -->

<dimen name="title\_bottom\_padding">24dp</dimen>

<!-- Text size for the interface title -->

<dimen name="title\_text\_size">40sp</dimen>

<!-- Height of the card view in density independent pixels -->

<dimen name="card\_view\_height">56dp</dimen>

<!-- Elevation of the card -->

<dimen name="min\_dimension">8dp</dimen>

<!-- Width of the editable text view search bar -->

<dimen name="search\_editable\_text\_width">260dp</dimen>

<!-- Width of the search button -->

<dimen name="search\_button\_width">56dp</dimen>

<!-- Height of the book -->

<dimen name="book\_height">240dp</dimen>

<!-- Width of the book -->

<dimen name="book\_width">200dp</dimen>

<!-- Left margin for text on book -->

<dimen name="book\_info\_centering\_left">12dp</dimen>

<!-- Right margin for text on book -->

<dimen name="book\_info\_centering\_right">12dp</dimen>

<!-- Vertical spacing -->

<dimen name="vertical\_spacing">12dp</dimen>

<!-- Text size for the book title displayed within the book card -->

<dimen name="book\_title\_text\_size">16sp</dimen>

<!-- Text size for Author, RetailPrice displayed within the book card -->

<dimen name="book\_secondary\_info">10sp</dimen>

</resources>

Strings.xml

<resources>

<!-- Title for the application. [CHAR LIMIT=12] -->

<string name="app\_name">Books</string>

<!-- User hint to type the name of a book in the search bar [CHAR LIMIT=20] -->

<string name="tooltip\_search\_button">Search"</string>

<!-- Content description for the search bar button view [CHAR LIMIT=NONE] -->

<string name="search\_button\_content\_desc">Search button</string>

<!-- Title for the search interface in the landing page [CHAR LIMIT=20] -->

<string name="title\_text">Booooks</string>

<!-- Content description for the front cover image of the book

in the book card view[CHAR LIMIT=NONE] -->

<string name="book\_cover\_image">Front Cover Image for the Book</string>

<!-- Text displayed for the Author radio filter [CHAR LIMIT=20]-->

<string name="author\_radio\_text">Author</string>

<!-- Text displayed for the Book title radio filter [CHAR LIMIT=20]-->

<string name="title\_radio\_text">Title</string>

<!-- Text displayed for the ISBN radio filter [CHAR LIMIT=20] -->

<string name="isbn\_radio\_text">ISBN</string>

<!-- Text to display for the empty state view

when there is no data to display [CHAR LIMIT=NONE] -->

<string name="no\_books">No Books To Display</string>

<!-- Prompt user to enter text in the search bar before proceeding [CHAR LIMIT=NONE] -->

<string name="enter\_text">Enter text before proceeding</string>

<!-- Error text message to display when the device has no access to the internet while

performing the search [CHAR LIMIT=NONE]-->

<string name="no\_internet\_connection">No Internet Connection.</string>

</resources>

Styles.xml

<resources>

<!-- Base application theme. -->

<style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">

<!-- Customize your theme here. -->

<item name="colorPrimary">@color/colorPrimary</item>

<item name="colorPrimaryDark">@color/colorPrimaryDark</item>

<item name="colorAccent">@color/colorAccent</item>

</style>

<!-- Styling for the centering the {@link TextView}s overlaid on the book -->

<style name="book\_info\_centering">

<item name="android:layout\_marginLeft">@dimen/book\_info\_centering\_left</item>

<item name="android:layout\_marginRight">@dimen/book\_info\_centering\_right</item>

</style>

<!-- Styling for the book's title {@link TextView} -->

<style name="book\_title\_text" parent="book\_info\_centering">

<item name="android:typeface">serif</item>

<item name="android:textSize">@dimen/book\_title\_text\_size</item>

<item name="android:textColor">@android:color/white</item>

</style>

<!-- Styling for the book's author {@link TextView} -->

<style name="book\_author\_text">

<item name="android:typeface">monospace</item>

<item name="android:textSize">@dimen/book\_secondary\_info</item>

<item name="android:textColor">@android:color/white</item>

</style>

</resources>



