

Github Code Link: <https://github.com/Bagabandi152/Mobile-Programming/tree/main/Lab04>

Task 4.1

Question 1

How do you add images to an Android Studio project? Choose one:

Drag each image to the layout editor.

Copy the image files into your project's drawable folder.

Drag an ImageButton to the layout editor.

Choose New > Image Asset and then choose the image file.

Question 2

How do you make an ImageView clickable like a simple Button? Choose one:

Add the android:contentDescription attribute to the ImageView in the layout and use it to call the click handler in the Activity.

Add the android:src attribute to the ImageView in the layout and use it to call the click handler in the Activity.

Add the android:onClick attribute to the ImageView in the layout and use it to call the click handler in the Activity.

Add the android:id attribute to the ImageView in the layout and use it to call the click handler in the Activity.

Question 3

Which rule applies to a click handler called from the attribute in the layout? Choose one:

The click handler method must include the event listener View.OnClickListener, which is an interface in the View class .

The click handler method must be public, return void, and define a View as its only parameter.

The click handler must customize the View.OnClickListener class and override its click handler to perform some action.

The click handler method must be private and return a View.

Task 4.2

Question 1

What's the most important difference between checkboxes and a RadioGroup of radio buttons? Choose one:

The only difference is in how they appear: checkboxes show a checkmark when selected, while circular "radio" buttons appear filled when selected.

CheckBox elements in the layout can use the android:onClick attribute to call a handler when selected.

The major difference is that checkboxes enable multiple selections, while a RadioGroup allows only one selection.

Question 2

Which layout group lets you align a set of CheckBox elements vertically? Choose one:

RelativeLayout

LinearLayout

ScrollView

Question 3

Which of the following is the method of the Checkable interface to check the state of a radio button (that is, whether it has been selected or not)?

getId()

isChecked()

onRadioButtonClicked()

onClick()

Task 4.3

Question 1

What is the name of the file in which you create options menu items? Choose one:

menu.java

menu_main.xml

activity_main.xml

content_main.xml

Question 2

Which method is called when an options menu item is clicked? Choose one:

onOptionsItemSelected(MenuItem item)

onClick(View view)

onContextItemSelected()

onClickShowAlert()

Question 3

Which of the following statements sets the title for an alert dialog? Choose one:

myAlertBuilder.setMessage("Alert");

myAlertBuilder.setPositiveButton("Alert");

myAlertBuilder.setTitle("Alert");

AlertDialog.Builder myAlertBuilder = new AlertDialog.Builder("Alert");

Question 4

Where do you create a DialogFragment for a date picker? Choose one:

In the onCreate() method in the hosting Activity.

In the onCreateContextMenu() method in Fragment.

In the onCreateView() method in the extension of DialogFragment.

In the onCreateDialog() method in the extension of DialogFragment.

Task 4.4

Question 1

Which template provides an Activity with an options menu and the v7 appcompat support library Toolbar as the app bar? Choose one:

Empty Activity template

Basic Activity template

Navigation Drawer Activity template

Bottom Navigation Activity

Question 2

Which dependency do you need in order to use a TabLayout? Choose one:

com.android.support:design

com.android.support.constraint:constraint-layout

junit:junit:4.12

com.android.support.test:runner

Question 3

Where do you define each child Activity and parent Activity to provide Up navigation? Choose one:

To provide the Up button for a child screen Activity, declare the parent Activity in the child Activity section of the activity_main.xml file.

To provide the Up button for a child screen Activity, declare the parent Activity in the "main" XML layout file for the child screen Activity.

To provide the Up button for a child screen Activity, declare the parent Activity in the child Activity section of the AndroidManifest.xml file.

To provide the Up button for a child screen Activity, declare the parent Activity in the parent Activity section of the AndroidManifest.xml file.

Task 4.5

Question 1

Which of the following statements about a RecyclerView is false? Choose one.

A RecyclerView is a more resource-efficient way to display scrollable lists.

You need to provide a layout for just one item of the list.

All list items look the same.

You don't need a layout manager with a RecyclerView to handle the hierarchy and layout of View elements.

Question 2

Which of the following is the primary component you need to provide to an adapter a View item and its position within a RecyclerView? Choose one.

RecyclerView

RecyclerView.Adapter

RecyclerView.ViewHolder

AppCompatActivity

Question 3

Which interface do you need to implement in order to listen and respond to user clicks in a RecyclerView? Choose one.

View.OnClickListener

RecyclerView.Adapter

RecyclerView.ViewHolder

View.OnKeyListener