MONASH
University

FIT2081 Mobile application development - S1 2021

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Started on	Monday, 22 March 2021, 5:20 PM
State	Finished
Completed on	Monday, 22 March 2021, 9:56 PM
Time taken	4 hours 36 mins
Grade	**7.67** out of 10.00 (**77**%)

Print friendly format

Question 1

Complete

Mark 7.67 out of 10.00

Question 1

Q1- Why is the datatype of the input parameter declared as 'View'?

A View occupies a rectangular area on the screen and is responsible for drawing and event handling. The view is the base class for widgets, which are used to create interactive UI components like buttons, text fields, etc.

When declaring the input parameter, upcasting is applied and that method like event handler could be used for multiple UI component instances such as Button, text field, etc. It's without needing to specifying which View objects are being accessed.

Comment:
(Q1=100% Q2=100% Q3=91% T4=0%)

Question 2

Complete

Not graded

Question 2

Q2 a) What is the main difference between Guidelines and Barriers?

Guideline's position is always fixed, but Barrier's position is flexible that always based on the size of multiple UI elements contained within it.

b) When does the horizontal bias in constraint layout become redundant?

They are bidirectionally connected to each other, so when the views are in a horizontal chain, giving bias to one of the view will also automatically change the bias of the connected views.

Question **3**

Complete

Not graded

Assignment Project Exam Help

Question 3

https://tutorcs.com

Q3- a) What is the role of the second input parameter to the BroadcastReceiver onRecieve() method?

The role of the second input parameter is used to specify the messaging object that can be used to request an action from another app component. In addition, the action can be identified and carried out.

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Question **4**

Complete

Not graded

Question 4

b) If you have the following:

•Intent Filter ="week4.fit2081.quiz" • Key ="Key" • Data="FIT2081"

Using the details above, write a piece of code that sends the Data in a broadcast message.

```
Void sendData (Context context){

    Intent msgIntent = new Intent();

    msgIntent.setAction("week4.fit2081.quiz");

    msgIntent.putExtra("Key","FIT2081");

    context.sendBroadcast(msgIntent);

}
```

Question **5**

Complete

Not graded

Question 5

Q4 - Code the missing line that allows the 'onReceive' method in the activity above to get invoked each time the following piece of code gets executed.

Each message is received as an Intent object parameter and the onReceive() method is called when the BroadcastReceiver is receiving an Intent broadcast.

Missing line code:

```
public void onReceive(Context context, Intent intent){

    throw new UnsupportedOperationExcepiton("Not yet implemented");

    Toast.makeText(context, "Broadcast Intent Detected.", Toast.LENGTH.LONG).show( );

}
```

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