



T.C.
İSTANBUL ÜNİVERSİTESİ
Mühendislik Fakültesi
Bilgisayar Mühendisliği Bölümü



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Öğrenci Ad - Soyad:	İmzası:

1. (5p) The visual design (xml file) of an Activity takes place in folder
- drawable
 - layout
 - manifest
 - src
 - values
2. (5p) Each visual component in an Activity is inherited from directly or indirectly.
- Activity
 - View
 - ViewGroup
 - Widget
 - Layout
3. (5p) Write down the necessary code line to load an Activity “MainActivity.java” visual design (xml file) “activity_main.xml” file.

setContentView(R.layout.activity_main);

4. (5p) You create a multi language supported application and your Turkish translation of “name” string stored in “res\values-tr\string.xml”. What is the correct calling of name string in code file?
- String name = getResources().getString(R.string.name);**
 - String name = getResources().getString(R.tr.string.name);
 - String name = getResources().getString(R.string-tr.name);
 - String name = getResources().getString(R.string.tr.name);
 - String name = getResources().getString(R.tr.name);
5. (5p) If you see a project structure like below, what can you say about it?

```
MyProject/  
  res/  
    layout/  
      main.xml  
    layout-land/  
      main.xml
```

- There is an unnecessary folder “layout-land”.
- Build of this project failed, since it has two file with the same name. “main.xml”
- The developer is giving multi language support to the application.
- The size of main.xml is too big, so developer divide this file into two sub folder.
- The developer wants to give different drawing on screen rotation.**

6. (5p) Where this line of code should be takes place?
- ```
<uses-sdk android:minSdkVersion="4" android:targetSdkVersion="15" />
```
- Main Activity Source File
  - Main Activity Layout (xml) File
  - Application Manifest File
  - String Definitions File
  - In an XML file in "res/sdk/version.xml" location
7. (5p) The purpose of Content Provider is .....
- to access resources in "res" folder.
  - to access data in other applications.
  - to restore activities last stage on reopening.
  - to write data on SQLite database.
  - to give rights for using device equipment like camera.
8. (5p) Which should be an appropriate definition for Intents.
- They are communication lines between app components.
  - They are configuration files of our app.
  - They are visual components like forms in desktop apps.
  - They are background task to do heavy jobs.
  - They are structures to give notification to user about app state.
9. (5p) We use **<intent-filter>** tags .....
- to get required security permissions.
  - to draw a widget in activity.
  - to give permission to other apps to use our data files.
  - to give ability for activities to respond other apps start requests.
  - to access resources in "res" folder.
10. (5p) Which function finds a view that was identified by the id attribute from the XML?
- setContentView()
  - findViewById()
  - identifyView()
  - callResourceId()
  - None of the above
11. (5p) Which one is not a member of Android's Java API Framework?
- Content Providers
  - Activity Manager
  - Notification Manager
  - Database Management System
  - Resource Manager
12. (5p) Which one is not correct for Implicit Intent?
- The responder Activity found according to the Action, Data, Category, Flag definitions.
  - Android OS take care of starting Activity process.
  - We are sure about the responder Activity.
  - Developer can force the user to select the responder App.
  - Android OS know the responders by reading manifest files on apk installation.

13. (5p) Which one shows the call order of the lifecycle functions, when an activity in Activity Stack turn to the running activity?
- a. onCreate – onStart – onResume
  - b. onRestart – onStart – onResume**
  - c. onStart – onResume – onRestart
  - d. onResume – onStart – onCreate
  - e. onStop – onPause
14. (5p) Which of the following is used to show a string onside the button that is taken from the resources?
- a. android:name="@string/button\_send"
  - b. android:id="@+id/button\_send"
  - c. android:text="@string/button\_send"**
  - d. android:name="+string/button\_send"
  - e. android:text= R.values.button\_send
15. (30p) Write the necessary xml definition to draw three buttons at the center of the device screen in vertical order. The buttons must be named as btn1, btn2, and btn3. (Write whole xml file)