



T.C.
İSTANBUL ÜNİVERSİTESİ
Mühendislik Fakültesi
Bilgisayar Mühendisliği Bölümü



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Dersin Öğretim Üyesi: Yrd.Doç.Dr. Özgür Can TURNA	Sınav Türü: Ara Sınav
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Öğrenci Ad - Soyad:	İmzası:

1. (5p) The class definition (code file) of an Activity takes place in folder
 - a. drawable
 - b. layout
 - c. manifest
 - d. src
 - e. values
2. (5p) LinearLayout is inherited from
 - a. Activity
 - b. View
 - c. ViewGroup
 - d. Widget
 - e. Layout
3. (5p) In which method we call setContentView method to draw the Activity layout and explain why here.

onCreate() , To load the visual components while the activity loading to memory. We need the visual components to be ready before retrieving them to get data.
4. (5p) While the default language of your android application is English to support Turkish for localization you
 - a. create a Language.java class in src folder.
 - b. create a Turkish.xml file in res folder.
 - c. create copy of folders in res folder with "-tr" suffix.
 - d. write if-else blocks in each code line to choose the active language of system.
 - e. create another apk with Turkish definitions.
5. (5p) When the file in "MyProject/res/layout-large/activity_main.xml" is loaded as an Activity content?
 - a. If the user change the language of the android device.
 - b. If the user rotate the android device.
 - c. If the android device screen has higher resolution then defaults.
 - d. If the android device screen is larger than defaults.
 - e. If the android version is higher than 5.0.
6. (5p) What is the purpose of the code line below?

```
<uses-sdk android:minSdkVersion="4" android:targetSdkVersion="15" />
```

 - a. Choose the Android Studio version for building.
 - b. Add backward compatibility in Android Studio 2.0 and upper versions.
 - c. Add android API functions to the project.
 - d. Give limitation for installing this app in case of android OS version and set building sdk version.
 - e. Add support for multi-user environments up to 15 users.

7. (5p) Which one is the Android's best practice to access other app data?
- Activities
 - Services
 - Broadcast Recievers
 - Content Providers**
 - Intents
8. (5p) Which is not one of the purpose to use Intents.
- To start an Activity in your application.
 - To start a Service in your application.
 - To send a Broadcast.
 - To access data in other applications.**
 - To start an Activity in another application.
9. (5p) Where does this tag take place? **<intent-filter>**
- Main Activity Source File
 - Main Activity Layout (xml) File
 - Application Manifest File**
 - String Definitions File
 - In an XML file in "res/layout/intents.xml" location
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 correct?
- Android is an open-source project.
 - Android is a Linux-based operating system.
 - Android applications can only be written in Java programming language.**
 - Android use Android Runtime (ART) or Dalvik VM (for old ver.) to run normal applications.
 - Google is the main supporter and developer of Android Project.
12. (5p) We want to implement an Implicit Intent to send a data over a suitable app. Write down the necessary codes to force the user to see the app chooser if there is more than one alternating Activity?
- Intent** sendIntent = **new Intent**(Intent.ACTION_SEND);

```
// Always use string resources for UI text.
// This says something like "Share this photo with"
String title = getResources().getString(R.string.chooser_title);
// Create intent to show the chooser dialog
Intent chooser = Intent.createChooser(sendIntent, title);

// Verify the original intent will resolve to at least one activity
if (sendIntent.resolveActivity(getPackageManager()) != null) {
    startActivity(chooser);
}
```

13. (5p) If My Activity is playing a video animation and I don't want the user miss a frame of the animation. Best choice to pause animation play can be in ____.
- a. onCreate()
 - b. onDestroy()
 - c. onPause()
 - d. onStop()
 - e. onRestart()
14. (5p) When onSaveInstanceState() method is called?
- a. When the user press back button and reopen this activity.
 - b. When the user press home button and reopen this activity.
 - c. When the device battery is below critical level.
 - d. When activity is loading on the memory.
 - e. When the application is starting.
15. (30p) Open a secondary activity as an open dialog box. The second activity just get a string information from user and return it to the caller.