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**Fall**

Music App – Source Code description

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This file contains the description about the source code in detail with all the folders, which are worth knowing before running the application. The details about how to run and test the app are also mentioned.

***ServiceMusic***

This directory contains the full implementation of server application (the service) for the music app.

This has to be loaded first in order for the client app to run successfully.

The files contained here:

AndroidMaifest.xml

This XML file describes to the android platform what the application can do.

It is a required file, and is the mechanism you use to show your application

to the user, handle data types, etc.

src/\*

Under this directory is the Java source for the application.

src/com/examples/Services/MusicService/DataHandler.java

This is the implementation of the Data handling features. The path each class implementation is {src/PACKAGE/CLASS.java}, where PACKAGE comes from the name in the <package> tag and CLASS comes from the class in the <activity> tag.

src/com/examples/Services/MusicService/MusicOptionsImpl.java

This is the implementation of the “Service” feature described in the AndroidManifest.xml. The path each class implementation is {src/PACKAGE/CLASS.java}, where PACKAGE comes from the name in the <package> tag and CLASS comes from the class in the <activity> tag.

res/\*

Under this directory are the resources for this application.

res/raw/\*

Under this directory are the audio files that can be used for using the app.

res/raw/arrayhermajesty.mp3

res/raw/iloveyou.mp3

res/raw/ohohoh.mp3

***ServiceClient***

This directory contains the full implementation of client application (the user interface) for the music app.

You can run this once the ServiceMusic app is loaded into the phone and started successfully.

The files contained here:

AndroidMaifest.xml

This XML file describes to the android platform what the application can do.

It is a required file, and is the mechanism you use to show your application

to the user, handle data types, etc.

src/\*

Under this directory is the Java source for the application.

src/com/examples/Services/MusicClient/MainActivity.java

This is the implementation of the "activity" feature described in

AndroidManifest.xml. The path each class implementation is

{src/PACKAGE/CLASS.java}, where PACKAGE comes from the name in the <package> tag and CLASS comes from the class in the <activity> tag.

res/\*

Under this directory are the resources for this application.

res/layout/activity\_main.xml

res/layout/activity\_transactions.xml

res/layout/row\_layout.xml

The res/layout/ directory contains XML files describing user interface

view hierarchies. The activity\_main.xml file here is used by

MainActivity.java to construct its UI.

Both ServiceClient and ServiceMusic contains MusicCommon folder which has MusicOptions.aidl file. This is required as all the interfaces are described here and client has to have a mode to access them.

***Running the application through Eclipse on an Android mobile device***

Extract and Import both the ServiceMusic and ServiceClient folders into the eclipse.

Android sdk must be installed and updated for the dependencies.

Connect an android device which runs on the latest platform i.e lollipop to the system.

Once imported, run the ServiceMusic for this service to be available on the device before the ServiceClient is run.

Right click the project and chose “Run as android application”.

Once deployed successfully, follow the same steps for ServiceClient and test the application on the android device.