TV Guide Assessment

Motivation

The purpose of this exercise is to give you an opportunity to demonstrate your proficiency in a range of skills that address the challenges presented in the project. You are encouraged to divide your efforts across this range, and take each aspect of the project to the best level of completion that can be achieved in the time available.

Task

Examine the APIs at the end of this document. Examine the assets. From the mock-ups attached, implement the following:

o Splash screen

o The Trending shows screen (page 2)

o The Show details screen (page 7)

 o the navigation bar

o If a corresponding screen has not been implemented for a particular menu item then disable it.

Rotation:

o The application should operate in both portrait and landscape modes

Non-Essential components:

If you have time, implement the following features:

o the full TV schedule

o search - finding specific content by name or keyword

If you don’t have time, it might be useful to outline how you would implement them in the readme doc.

Libraries:

Use any open source libraries, you deem necessary to manage the data.

You may find the following libraries useful (these are not mandatory):

Volley: https://android.googlesource.com/platform/frameworks/volley Gson: https://code.google.com/p/google-gson/

Android specific Requirements:

Demonstrate the following:

 o Demonstrate the use of Parcelable objects for data passing between activities.

o Demonstrate the use of a custom list adapter(Trending shows screen)

o Demonstrate the use of fragments

o Consider the best utilization of resources e.g.

o Is it possible to limit queries to the server?

o What happens in offline mode?

Written Submission

In a Readme document, to be submitted with the assessment, note the following:

 o Explain the rationale behind your design

 o Note any external libraries used and explain why you chose these particular libraries.

o Suggest any improvements you would make to the current design (feedback is an essential part of our process).

o If you are unable to complete the assessment in the time allotted, outline what you would have implemented.

Submission

Submit the code and written assessment as a zip file and email it to mmitjans@polariswireless.com

APIs

* http://guilmo.com/tvguide/showtrends.php
* http://guilmo.com/tvguide/searchShows.php?url=game%20of%20thrones
* http://guilmo.com/tvguide/getShowInfo.php?url=/m/shows/criminal-minds
* http://services.tvrage.com/feeds/fullschedule.php?country=US