Assignment 2 - Mars UI
Due Sept 30 23:59

Version 1.1

Develop a Mars trip Android app for a phone (not a tablet) using one activity. The user can enter the number of people on the trip, the total weight of the people and luggage, the miles per gallon of their car and the number of miles driven each year. Once the user has entered the data the app connects to the server to get the required year so of driving to consume the gasoline that would be used in the trip to mars, that is one value not two as returned by the server. A button maybe useful so that the user can indicate when they are done entering the data. The network connection should not block the main thread. While getting data from the server the app needs to provide feedback that the app is doing something.Validate the user input before sending it to the server.

How to turn in your Assignment

We will be turning in your assignments a different way for this assignment. Rather than turning in a url to a repository you will be turning in a zip file containing your project and an .apk file of your project.

Before you turn in your project you need to create a standalone .apk file. In Eclipse's Package Explorer right click (control-click on a Mac) on your project. In the "Android Tools" submenu select "Export Unsigned Application Package...". (Note you are welcome to use the "Export Signed Application Package…" option but you will need to generate a certificate, which is a bit more work.) Eclipse will then generate the .apk file.

Create a directory. In this directory place the .apk file and your eclipse project in this new directory. Zip up this new directory and upload the zip file to the course portal.
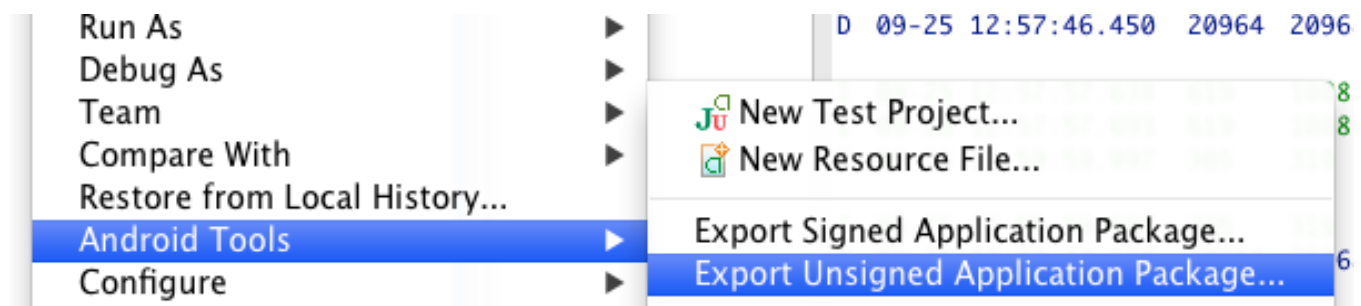
Grading

Working App	70%
Don't block main thread	10%
Data Validation	10%
Feedback while interacting with server	10%

Your app will be tested on an Android phone running Android 4.1.1 (Jelly Bean), which is backward compatible to older versions of Android. You can use any version of android from Android 2.2 to Android 4.1.1.

Versions

1.1 Added instructions to turn in the assignment.