Honors Software Design Custom App Inventor Android App Project Rubric   Name -

Complexity - 10 points
The app must be non-trivial and serve a reasonable, practical purpose for a specific audience.
0   1   2   3   4   5   6   7   8   9   10

Originality - 10 points
It must be significantly different from any assignment that you have already completed in class. It must be completely custom-designed or the source code must be significantly different from demo programs or those found on the Internet.
0   1   2   3   4   5   6   7   8   9   10

2 or More Screens - 5 points
It must be significantly different from any assignment that you have already completed in class. It must be completely custom-designed or the source code must be significantly different from demo programs or those found on the Internet.
0   1   2   3   4   5   6   7   8   9   10

Required Elements - 10 points
The app must use three or more of the following: Button, ListPicker, Spinner, WebViewer, Media component, Drawing and Animation component, Social component, Storage component, Connectivity component, LEGO MINDSTORMS component. See the instructor for pre-approval if you wish to substitute another element that is listed here: _____
0   1   2   3   4   5   6   7   8   9   10

Interface - 10 points
The app must have an aesthetic design and layout and make effective use of graphics.
0   1   2   3   4   5   6   7   8   9   10

User-Friendly - 10 points
The app must be user-friendly. Directions or explanatory messages must be provided if it is not 100% intuitive.
0   1   2   3   4   5   6   7   8   9   10

Organization of Blocks, Comments, Variable Names, Documentation - 5 points
Source code files should be easy-to-read and follow consistent style practices with regard to spacing, identifier names, indentation, documentation, etc. The program must follow our class Coding Standards. See the instructor with any questions before you submit the assignment. You must use XML resource files (e.g. strings.xml) as appropriate. The exact web page addresses of any sources other than the instructor's website that you used to help create the project must be included in comments in the source code.
0   1   2   3   4   5   6   7   8   9   10

Rubric - 5 points
A copy of this form must be completed thoroughly and honestly and submitted to the inbox by the due date.
0   1   2   3   4   5

Self-Reflection - 5 points
Thoroughly explain any difficulties, surprises, or other interesting aspects of this experience in complete sentences.
0   1   2   3   4   5

Screen Capture - 5 points
Submit a runtime screen capture (gif, jpg or png) with the specified name to the specified location.
0   1   2   3   4   5

Project Upload - 10 points
Your .aia file with the specified name to the specified location.
0   1   2   3   4   5

apk file on Google site - 5 points
Upload the apk file to your Google site with the specified name to the specified location and a unique filename. Provide a description of your app in your Google site or devote a whole web page to this app.
0   1   2   3   4   5

Poster - 5 points
A colorful, eye-catching 8x10" (or larger) poster advertising your app that Mr. Minich can post in the school hallway. You must print with your own personal color printer or submit the file with the specified name to the specified location for Mr. Minich to print

with the school color printer. The poster must include a QR code for downloading the app from your Google site. The QR code will link someone directly to the .apk file and not your main Google site download page.

0   1   2   3   4   5   6   7   8   9   10

Classroom Productivity - 5 points

You must work on this assignment when class time is specifically devoted to the assignment. If you are unproductive during class periods devoted to the assignment, you will lose points. You must independently learn and apply information from online resources without disturbing others in class.

0   1   2   3   4   5

Files Submitted Correctly - 10 points

The necessary files must be submitted to proper places with the correct filenames..

0   1   2   3   4   5   6   7   8   9   10

Run-time - 10 points

Your app must execute in a user-friendly manner with a professional, user-friendly interface and well-chosen layout(s).

0   1   2   3   4   5   6   7   8   9   10

Total   _____ / 125 pts = _____ %

Screencast (Midterm Exam Grade or applied as 2nd quarter extra credit for those who are exempt)

_____ / 25 pts - the content of the screencast is proper and complete

_____ / 40 pts - Production (clear oral and/or typed annotations, no background noise)

_____ / 5 pts - Submitted in proper format

Total   _____ / 70 pts = _____ %

Self-Reflection