CS 347: Android Project Guidelines

The goal of this project is for you to create an Android Project of your choice. The app should be complete and easy to use.

Project Deadlines: *Late assignments will not be accepted.*

	Homework	Deadline	Points
Step 1	Choose Topic/Groups	Feb 2	5
Step 2	Project Design	Feb 9	10
Step 3	Final Project	Mar 2	85
	Total Points:		**100**

Step 1 (5 pts): Choose Topic/Group (due Feb 2)
Teams: You can work individually or in a pair (no more than 2 people). If you choose to work with someone both of you must have an equal part in order for each individual to get full credit.

Project Examples (or you can think of your own):
1. Android Game
2. Wardrobe tracker – what to wear based on the current weather
3. Workout coaches

Submission: Email me the following:
1. Project Title
2. Project Description (short couple of paragraphs describing the topic)
3. Whether you are working individually or with another person
4. If you are working in a group, one person can email me, but email me the name of the other individual (CC them as well).

Choosing a Topic:
I Think of an Android app you would like to create. Note: Think of a topic that would be realistic to complete in the timeframe.

Project Specifications:
☐ At least two screens
☐ Be more complex than any class assignment
☐ Include a technique not covered in class (ex. Database, Accelerometer, etc).

Step 2 (10 pts): Project Design (due Feb 9)

Draw out (either by hand or computer) what you think the app will look like (each screen). Draw the scenarios (example when a button is clicked show what will happen, etc.).

If you are working in a pair, one person can submit, but make sure both names are on it (as long as both participated). If a student does not contribute to this part of the assignment, that student will receive a 0 for this part.

Submission: Dropbox

Submit the following to the dropbox titled Project Design:
1. For those in teams - Names of those who contributed on this part of the assignment
2. The designs - If you drew it by hand, feel free to scan it or take photos of it to submit.
3. A document explaining each interaction/design to me so I can follow along.

Step 3 (85 pts): Complete Android Project (due Mar 2)

Submission to the dropbox titled Android Project:

1. Document containing:
    a. Title
    b. If you are working with someone, a document stating exactly who worked on which parts
    c. A paragraph stating what your app does.
    d. A list of some similar apps in the App Store / Google Play Store. How are they similar? How is yours different?
    e. What technique you include that we did not learn in class.
2. Zip file containing your android code
3. Signed .apk Release File (see Resources Tab)
4. Screenshot of it working on your android device or emulator, or better yet a video showing how you use it.

Presentation on Mar 2:

1. Have your app appear on an actual android device (preferable) or emulator (Note: to get full credit you must have some way to show it to the class. Borrow an Android phone or laptop with Android Studio for the class if you don't have one.)
2. Students and your instructor will walk around and test out your app!