

Android Development Fundamentals

Android 210 Winter 2015

Project Guideline

Description

Create an Android application to solve a problem that you are interested in. You can either work on your own or work with 1 or 2 other students. You may continue to work on this project in the second and third course of the Android Application Development certificate program.

Requirements

Create a **Ice Cream Sandwich-compatible** Android application that has at least two screens. Demonstrate what you have learned from this class: UI layouts and views, data input, preferences etc. The UI does not need to be fully polished; however it should give the gist of what you are building. The two activities share or transfer some data. The data can be mocked or stored on device using SharedPreferences depending on complexity.

Optional:

- navigate from a list to a details screen.
- use intent to share from your app.

Project Presentations

Project presentations should be less than 5 minutes. Other students can ask questions after your presentation, depending on time available. Online students have to create and submit the recorded presentation beforehand. In class students can present in person with live demo or recording.

Provide a slide deck with the following:

- Purpose of the app - what problem are you trying to solve?
- Main features of your app (live demo or recording).
- What have you learned? This can be related to design, user feedback, implementation (code), or testing etc.
- What would you like to do with it next with the app?

Timeline

- **1/12/2015** - form your project idea
- **1/18/2015** - submit your project idea on Catalyst dropbox. Indicate whether you are working on this as a group project. This is not graded but feedback will be provided to help you.
- **3/15/2015 6PM** - the project code and slide deck should be submitted to the project dropbox.
- **3/16/2015 6-9:20PM** - project presentation in person or via recording.

Points

There are a maximum of 50 points for the final project.

- 10 points - app works as intended and is functional. It's OK to have some incomplete features that you to be finishing in later courses.
- 10 points - intuitive mobile UI design and follow the Android design guidelines.
- 5 points - clean code with useful documentation.
- 25 points - project presentation.

Delivery

Zip up the project directory into a zip file with the name of **{YOUR UW Net Id}-210-project.zip**. (For example, margam-hw001.zip.) Upload the project zip file and slide deck file to catalyst homework dropbox.