

# Android Development Fundamentals

## Android 250 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 the same project throughout the Android Application Development certificate program, or choose a new project to work on each course.

#### Requirements

Create a **Ice Cream Sandwich-compatible** Android application that uses fragments. Demonstrate a few of the concepts learned from this course. For example - styles, themes, Content Providers, custom views, notifications, media, graphics and animation etc. The app does not need to be complete with all your planned features; however the app UI should be polished, and it should **not** crash.

#### Project Presentations

Each project presentation (including demo) should be less than 5 minutes. Other students can ask questions after your presentation, depending on time available. I encourage you to record (at least the app demo portion of) your presentation, especially for the online students. In class students can present either in person or via recording.

#### Project Submission

1. Link to your recording (optional)
2. Source code in a zip file
3. Slide deck -
  - 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 are your next steps for the app?

## Timeline

- **4/20/2015** - Form your project idea. This is not graded but feedback will be provided to help you. Submit your project idea on Catalyst dropbox and indicate:
  - whether you are continuing with the same app from the last course.
  - whether you are working on this as a group project.
- **6/8/2015 6PM** - Submit the link to recording (optional), the project code and slide deck to the Catalyst dropbox.
- **6/8/2015 6-9:00 PM** - Project presentation in person or via recording.

## Points

There are a maximum of 45 points for the final project.

- 5 points - App works as intended and is functional without crashing. It's OK to have some incomplete features to be finished in the third course or beyond.
- 15 points - Intuitive mobile UI design and follow the Android design guidelines. Demonstrate what you have learned from this course.
- 5 points - Clean code with useful documentation.
- 20 points - Project presentation.

## Delivery

Zip up the Android project directory into a zip file with the name of **{YOUR UW Net Id}-250-project.zip**. (For example, margam-250-project.zip.) Upload the project zip file and slide deck file to catalyst homework dropbox. Add link to video recording as a comment, if applicable.