

# Mobile Application Programming: iOS

CS4952 Spring 2016

Project D

Due: 11:59PM Monday, March 21st

## Abstract

Create a document that describes an iOS application that will serve as your final project for the class. The document should contain an abstract like this one, briefly describing the application overall. It should then contain a description and a mockup of each major screen that the application will contain. Next, the document should contain a list of features that the application could have, but that will not be implemented in the app for the final project. At the end of the document, break down the app by feature, and estimate the number of hours each feature will take to create.

## Components

- **Abstract:** A short description of the proposed app. If the app has a server component, or works with content from an online entity of some kind, include URLs to these services.
- **App Screen Descriptions:** A mockup and description of each major screen that makes up the application. The descriptions should be a paragraph or two, describing what the purpose of the screen is, and as well as any information that is needed to understand the screen that is not in the still mockup, such as animations. The mockups can take on any graphical format, even scanned, hand-drawn mockups. Photoshop mockups using an iOS component sheet (available in many locations online) are preferred, and probably the easiest to create if you have access to Photoshop. Don't get carried away with too much detail. Mockups should be simplifications of the screens. Also see tools like Balsamiq which have free trials.
- **List of Future Features:** Your application must have a complete feeling, implementing all of the features needed to accomplish the task it claims to accomplish. Usually, though, there are optional features that can augment the base application. Create a list of several of these, with a one or two sentence description of each.
- **Breakdown and Tracking:** Sub-divide each feature or screen of the application into parts, and put them in a table. Be sure to include back-end code that is needed to support the rest of the app. Then, estimate the amount of time you believe each part will take to build. Include a total line at the end. As you create your application (but after you turn in this document!), try to track how long each part takes to actually create. You may not be able to assign time to every feature perfectly, but the total amount of time you take to build the whole should be trackable to the hour-level. Write down the start and stop times when you work on your app, if you think that will be helpful in tracking your time, along with what part you worked on. When you finish your app, include this (now completed) document in the submission.

## Handin

You should hand in your document in PDF format using the CADE Lab handin system on the website, or on the command line:

**handin cs4962 projectD your\_project\_pdf\_file.pdf**