

# iOS DeCal (Spring 2017) - Final Project

**App Proposal Due** - Tuesday, March 21 at 11:59pm

**App Proposal Review** - Thursday, March 23 (during lab)

**Progress Check-In** - Thursday, April 6 (during lab)

**Code Due** - Tuesday, May 2 at 11:59pm

**Final Presentations** - Friday, May 5 at 11:00am

For your final project, you will be creating an iOS application completely of your own design. You may either work in a group (up to 4 people total) or individually, but keep in mind that we will be expecting more from larger groups.

## App Proposal (due 3/21)

Before starting on your project, you'll need to write up an app proposal providing an overview of your application. Your proposal must include the following information:

1. **Group Members** - List each member of your group along with their [berkeley.edu](#) email (or just your name/e-mail if working alone).
2. **GitHub Link to your Project** - Create an empty repository for your final project, and provide a link in your proposal. We'll need this to check your progress later and to download your final submission.
3. **Brief Project Description** - Here you should explain what your application will do, and its main features (1 - 2 paragraphs).
4. **Story Board / App Flow Sketch** - Provide a simple sketch (scanned hand-drawing or digital) of what your app will look like. Don't spend a lot of time on this! Show us how your views are related to give us an idea of the flow of your application. We are not expecting you to have your full UI and design fleshed out at this point.
5. **List of iOS frameworks, API's, and SDK's you plan on using** - This could include things like Core Data, Camera / Photo Library, NSTimer, Google Maps API, etc.

Please compile all of this information together in a .pdf file, and submit it to [Gradescope](#). Make sure to submit 1/team and add your team members to your submission.

## App Proposal Review (3/23)

The Thursday after you submit your app proposal, we will pair each group up with a TA, who will critique your submitted proposal during lab time (April 4). We will e-mail you which lab you should attend, which may be different than your assigned lab. All group members must be present for the app proposal review.

## Progress Check-in (4/6)

After Spring break, you and your group members will meet again with your assigned TA to go over your progress. Though you do not have to turn anything in for this part, be prepared to show your TA what you've done in Xcode.

## Code Due (5/2)

You will need to commit and push your final code changes to your repository listed in your app proposal before the Tuesday deadline. **Make sure to check that your code is working by downloading it as a zip, and running it in Xcode.**

We will be holding "office hours" on Thursday (11am - 1pm in 341A Soda) in case you would like us to demo your app to us and be graded in person. If you're looking to present during the final presentation, we recommend you demo since we will be prioritizing those who demo over those who don't (unless you have a conflict).

**If we are not able to run your application, you will be required to come to this section to show us your app, so that we can give you a grade.**

It's a good idea to test your app on a different computer, since it's not uncommon to have problems with importing files and libraries (i.e. having references in your project to local paths on your computer, rather than within the project itself).

## Final Presentation (5/5) - 11:00 am in 310 Jacobs. **ATTENDANCE MANDATORY**

On Friday of dead week, we will be choosing several of the top app submissions to be presented to the class, our course facilitator Dan Garcia, and a few guests (including recruiters!!) from industry. We will notify you/your group if you have been chosen on Thursday (you have no obligation to present if chosen, however - so let us know if you'd prefer to just watch instead).

Though you may create slides to go along with your presentation, you are only expected to give a quick demo (under 5 minutes) of your app, and then take any questions. Attendance is mandatory for all students (regardless of whether or not you are presenting), and students who fail to attend without a valid excuse will receive a 0% on their final project.