

## CSC 371/471 Mobile Application Development (iOS)

### Final Project Proposal Design and Implement an iOS App

- Due on Monday February 17, 2020 11:59pm
- Page limit: 2 pages single-spaced (including graphics).
- A proposal for your final project is **mandatory**.

#### Requirements of the Proposal

You are required to address each of the following items specifically. Proposals with one or more of the following items missing are considered *Not Approved*.

- **Project title**
- **Your name**
- **Indicate either:**
  - This is an individual project, or
  - This is a team project.
- **Names of team members.** If this is a team project, list the names of all the members of the team? (submit one proposal per team)
- **Project description.** What will your app do? What are the main features or functions?
- **Preliminary screen design.** Describe each screen and include drawings of each screen. Hand-drawn diagrams are acceptable.
- **API features used.** What API features will be used in this project? Your app must include at least two API features covered in lectures in week 9 and 10, including
  - Quartz 2D drawing
  - Multi-touch events

Alternatively, you may substitute either of two required features with some API features that are not covered in the lectures. You must specify clearly what they are.

- **For team projects:**
  - The size of each team should be 2 – 3 students.
  - The size and complexity of a team project should be proportional to the team size. You must provide some justification.
  - More details are expected for team project proposals.
    - More details on the feature design and screen design
    - Distribution of labor among the team members

## General Guidelines and Expectations

- The final project is expected to be at least twice the size and complexity of any programming assignments. In other words, an individual final project is expected to have 4 – 6 screens.
- **It is mandatory to use Xcode 11 and Swift 5 for the final project.**
- The expectation on the robustness and overall quality of the final project will also be higher than the expectations on programming assignments.
- It is acceptable to make an *improved* clone or variation of some existing apps.
- Make it interesting and be creative.
- You may receive bonus points for exceptional quality in some aspects of your app. Bonus points are awarded at the sole discretion of the instructor.