**CSC 471 Mobile Application Development (iOS)**

**Final Project Proposal**

**Design and Implement an iOS App**

* Due on Tuesday February 15, 2022 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 13 and Swift 5.5 for the final project.**
* The expectation on the robustness and overall quality of the final project will also be higher then the expectations on programming assignments.
* It is acceptable to make an *improved* clone or variation of some exiting 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.