COMP0016 Bi-weekly Report

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1 Progress

Over the past two weeks, we have learned the basics of the `Swift` programming language and built a skeleton page for Course / Lecture details for practice. See Figure 1 below for a screenshot of the app running.
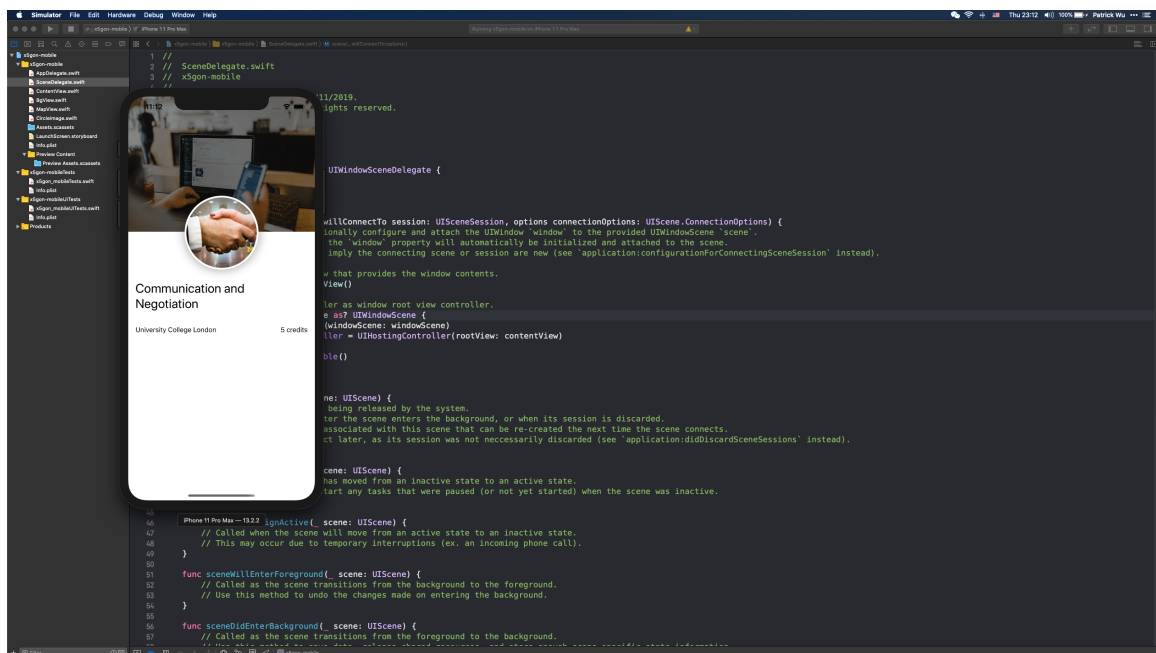

Figure 1: An screenshot of the app running

Also, during the past two weeks, we are also reading through the source code of the project at `sahanbull/x5learn` on GitHub and learning how to make API calls to the backend.

Meanwhile, we have designed the prototype for the majority of use cases. The demo video for the prototype can be found in the link below. Please note it is just a demonstrations of the app's use case, not the design of the app.

https://drive.google.com/open?id=1sWZEmRcK5bXHihiIXJGRb1UAuJhvNk8q

To better understand the reason why we are building this app and the cause of X5GON, we have spent plenty of time reading through websites and relevant materials and books. We have also, as we are building the prototype, tried the demo in `AdobeXD` and made a MoSCoW list (see Table 1 below) for the app.

Requirement	Must Have	Should Have	Could Have	Won't Have
Suggest relevant videos	*			
Play or Pause video	*			
Save browsed video	*			
Comment under video	*			
Rate the video(Like or Dislike)	*			
Show the person who upload the video	*			
View video in full screen mode	*			
Login in with different priviledged accounts	*			
Search from database		*		
Create multiple simulation accounts			*	
Upload video through app				*

Table 1: MoSCow List for the App

- Pure audio or PDF files
- Content Search Segment bars (should have)

2 Evaluation

Progress is generally on track. We are rather satisfied with the progress since there are already working pieces of code, and a draft prototype design.

Given the fact that we have picked a new platform that we haven't used before, the first few weeks will be mainly about learning the language and the tools and modules used for app development on iOS. We are expected to progress much faster than the current stage after the first few weeks.

3 Plans

For the next two weeks, we plan to do the following:

3.1 Expected

1. Coordinate with clients to get an introduction to APIs of X5GON

2. Make a collection UI with lists / items on the front end

3. Optimise the prototype based on client feedback

4. Discuss MoSCoW List with clients

3.2 A Step further

1. Study the API of X5GON backend and how to make api calls in iOS apps

2. Coordinate API calls with UI and show real course data from X5GON