SCS 301 – Analysis of Mobile Software Systems  
Fall 2018

**Final Project**

Rather than completing a final exam for this course, we will focus on a final project aimed to highlight our understanding and application of the topics related to system design.

For your final project, please select a topic or concept that is of interest to you. Do not worry – you don’t have to actually code it. But you are going to be designing it. Once you have selected a \*basic\* application, perform the following:

1. Draft a brief explanation of the application and its intended function(s).
2. Design a Program Management Plan (be as detailed as possible and don’t be afraid to be creative in situations where you don’t have the answers)
3. Select one piece of functionality and build one requirements document associated to it
4. List ALL use cases you believe you may associate to the piece of functionality listed above
   * + - 1. Build out one of these use cases in its entirety (be as detailed and specific as possible)
5. For the one use case you have selected, list and build out the UML diagram for all objects you believe will be associated. Do not downplay the level of detail to include here – there will more than likely be A LOT of attributes or methods to count/list.
6. Design what the layouts of the screens/views of your application may look like. Be sure to take into account many of the details we discussed in class when talking about the layout/design. Please include as many screenshots as you believe will encapsulate your application’s usage.
7. Write an explanation as to the type of data management and database system you believe would be ideal for your application.
8. Finally, state any unique steps or nuances you believe may be expected or required during the Construction and Installation of your application.

You can use whatever tools or products you feel necessary to complete the steps above. (i.e. Office, Visio, Dia, Photoshop, Etc). Please make sure that there is an order or explanation to your project if you are including multiple files.

There is plenty of time to work on this project and plenty of time to seek help during class, office hours, from the tutor, or during the open lab. Do not wait until the last minute.

This is meant to be a fun, learning opportunity. However, it will also take time. Start early and seek help if you hit a hurdle. Otherwise, enjoy!

Total Points: 100

Due: Monday, December 3, 2018 @ Midnight