CMSC 436 Fall 2022 Semester Project

You will be working in teams to design and code an application. The final project is due at 11:59pm on Monday, December 5th and will be presented to the instructional staff Tuesday and Thursday, December 6th, and 8th. Time will go quickly, so make sure you and working steadily on this project. All submissions will happen through your git repo.

Have fun and take a chance on being creative while putting all the new concepts and APIs you've learned to use. My goal is that you and your team create something that you would be proud to show to potential employers.

Weekly status updates – [Due each week at the regular submission time]

In your class repo there is a new directory called Project. Within the Project directory there is a directory called Status. Within that directory there is a file called log.txt. Each week you must update this file to record what you worked on for that week and how much time you spent on that work.

In addition, you will check in with the TA guiding your team as required by the TA. For example, they may reach out to you with questions or provide their own feedback.

Checkpoint 1 – [October 10, 2022]

By this point you will have clearly defined your project and sketched out its general architectural design. For this Checkpoint **each team member** will submit a **common** pdf file called status1.pdf (no more than 4 pages in length with 12pt font), containing a detailed project description, draft sketches of user interface screens, a discussion of existing risks, and a discussion of the project's completion status. Going over the page limit will incur a grading penalty.

Page 1 of the project description and status report should describe the application concept, its key functionality, and rough architecture and list of android system components you expect to implement. Consider what special resources you may need, such as a networked server, database, etc. It should also contain a list of work items that each team member is responsible for. Pages 2 and 3 should include storyboards with rough screenshot mock-ups suggesting how the final app will look and how the user will navigate the app. Page 4 will discuss risks that your project is or may experience and what you are doing to resolve those risks. It will also include your assessment of the project's current progress toward completion. What is done and what remains to be done?

Each team member will also submit an **individual** pdf file called eval1.pdf. This team member evaluation will include a list of your team members, including yourself, and a short comment indicating any team members whose work contribution is substantially greater or less than the average team member.

Checkpoint 2 – [October 31, 2022]

Using the same instructions for Checkpoint 1, for this Checkpoint **each team member** will submit a **common** pdf file called status2.pdf and an **individual** pdf file called eval2.pdf.

Checkpoint 3 – [November 14, 2022]

Using the same instructions for Checkpoint 2, for this Checkpoint **each team member** will submit a **common** pdf file called status3.pdf and an **individual** pdf file called eval3.pdf.

Submission and Presentations – [December 5, 2022]

Your final application must be submitted for grading. Your application should be entirely complete at this point. After the project is submitted, each team will schedule and give a 5-minute presentation to Dr. Porter and the TA staff.