

COSC 3P97 Project Proposal

Fall 2018/19

Due: Nov. 7 @ 5:00 pm.

Scope

The project is to be completed by a team of **two** students. If there are an odd number of students in the course, or if prior permission is granted, then more may be considered. However, the project is **not** to be an individual project.

The project is to be a complete deployable mobile app suitable for distribution via the appropriate marketplace. It may be entertainment, a utility, an information resource or other concept. It does not have to be unique, similar apps may already exist.

Platform

The project may be developed for any mobile platform—Android, iOS, Windows mobile/8, Blackberry. If the target platform is not Android, the students must have access to the appropriate resources as we do not have support for development for other platforms in our labs. There might still be two old Dell Streaks kicking around the department, however for any other platform, students will have to be able to access a target device to demonstrate deployability or use a simulator.

If the target platform is not Android, the scope of the project need not be *quite* as ambitious since students will have to investigate development for other platforms on their own and limited support will be available from course staff.

APIs

The project must include the use of at least one advanced API that is not covered in the lectures of the course, such as Location-based Services, Multimedia, Telephony, 3D-Graphics or optional hardware. If the platform is not Android, at least one advanced API should be used, but the need to research the framework for another platform will be taken into consideration.

Seminar

Each team will be required to present a seminar during the last two weeks of lectures. The seminar is to be an instructional presentation to the class regarding the use of an advanced API or service. It is likely a better use of your time if you used it in your project. It is **not** a description of how your project uses the API, but rather a description of how the API works and the requirements to use it. Of course, the actual usage in the project may be presented as an example.

The API being presented does not have to be unique since more than one team may make use of the same advanced API.

More details on the Seminar can be provided if necessary.

Demonstration

Each team will be required to demonstrate the functioning project app to the TA at a time to be scheduled and after the submission date for the project. Unless the lab simulators are used for demonstration, the team must provide the demonstration hardware.

Project Proposal Submission

The project proposal should be a document of from two to a *maximum* of six pages presenting the following information:

1. app title (working title)
2. team members names and student numbers
3. app description (short form)
4. target platform (including optional hardware requirements)
5. advanced API (s) to be used
6. detailed app description including purpose, target audience, UI mockups, control flow, how the advanced APIs will be used and other information required to determine the scope of the project and its feasibility.

Submission should be done electronically, in .pdf format. Submit via the `submit3p97` script, and use an assignment number of **3**.

Important:

The purpose of this proposal is solely to force you to start the planning process. Adhering to the proposal is *not* mandatory.