

## COSC3506 Final Project

Due Date: Wednesday April 9<sup>th</sup> at 11:59 pm

### Task

Develop a fully functioning software application with a frontend and backend using the concepts learned in the course. Students may use any set of programming languages, frameworks and tools they choose.

### Constraints

- Final project must be completed in collaboration with a minimum of 1 other student.
- Teams can have a size of 2-5 people.
- Unassigned students will be randomly assigned to groups.

### Final Deliverables

- **Project Report**  
Provides a general overview of the software project, the project scope, its capabilities and the business value it provides. Also outlines the software engineering model chosen, why and the relevant tools, programming languages or frameworks used for planning and development. Each student should outline their role and contribution to the project.
- **Requirements Documentation**  
Outlines functional and non-functional requirements for the software program. Also outlines use cases.
- **Design Documentation**  
Outlines the architecture, system components, dependencies, data flows (if applicable) and UI wireframes.
- **Project Gantt Chart**  
Outlines the tasks, task assignments, and scheduling for the project.
- **Project Demonstration Video**  
A narrated, collaborative demonstration recorded using a screen capture tool. Highlights using the frontend from an end user perspective.
- **Development Codebase**  
Collaborative codebase using some form of version control (git) to manage collaborative changes.
- **User Documentation**  
Documentation to explain to the end user how to use the software for its intended purpose.

## Important Intermediary Deadlines

Wednesday March 5<sup>th</sup>

Teams need to be finalized. Each group has to nominate a single liaison to contact [liam.dingle@algonau.ca](mailto:liam.dingle@algonau.ca) with the final team selections.

Friday March 14<sup>th</sup>

1 page project proposal needs to be submitted for approval. It is encouraged to get planning (e.g. Requirements and Design) started before this date – it is very unlikely I will outright reject a concept. If anything, I will modify the scope slightly to fit the timeline.