

## CPEN 321 Software Engineering Winter 2023

### M2A: Initial Requirements (Wednesday, September 27, 3pm PST)

This is a group assignment. The deliverable for this assignment is a document specifying **the initial version of your project requirements**, for the project idea selected by a TA.

This submission will not be graded (only the final version of requirements will be graded). However, **you will lose marks** for the next milestone (final requirements, M2) if you fail to submit this report on time.

The use of any assistive AI technology in any stage of working on this assignment is **strictly prohibited**. **You should keep any electronic devices, including your computers, phones, and iPads, closed during the duration of the lab.** You can open your computer to make a submission starting at 2:40 pm.

**Submission.** Submit a PDF file that includes **a handwritten** text and sketches with the following information:

- A use-case diagram connecting actors to functional requirements of the project.
  - Aim for 2-3 main actors and 5-6 non-trivial requirements.
- A description of each actor (1-2 sentences).
- A list of the project's functional requirements. For each requirement, specify
  - The name of the requirement
  - A short description of the requirement (1-2 sentences)
  - Primary actor(s)
  - Success scenario(s) (in bullet points)
  - Failure scenario(s) (in bullet points).
- Screen mockups, if needed/helpful to explain the requirements.
- A list of non-functional requirements (aim for 2-3 non-trivial requirements). For each requirement, explain in 1-2 sentences why this requirement is needed/relevant for your project and how it will be validated.

Please make sure your handwriting is clean and legible.

Good Luck!