

Assignment 2: project proposal and presentation

This assignment is in two parts: a written report (at least 3 pages, 90% of the grade), and a presentation (five minutes, 10% of the grade).

Part (A): Written report (90 points)

- requirements:
 - Explain the main goals of the project and the high-level plan for achieving the goals.
 - Explain any background information necessary for understanding the project.
 - List the software and hardware that will be required.
 - List at least three scholarly publications that may be useful resources for the project. The scholarly publications must be books, or peer-reviewed journal or conference papers. Online resources such as websites should also be listed, but do not count towards the requirement for three scholarly publications.
 - List one or more pieces of work similar to the proposed project (this may overlap with the publications in the previous requirement) — the objective is to be aware of your closest competitors.
 - Specify the early milestones M0, M1, M2 for the project:
 - M0 should be something extremely easy that can be achieved within the next week — the equivalent of “hello world” for your project.
 - M1 should be something that can be achieved by the end of Fall Pause.
 - M2 should be something that can be achieved by the 10/30 code submission.
 - Make every effort to define realistic milestones, but they can be adjusted later if necessary.
 - Milestones must involve concrete progress on the project, such as writing code or performing experiments. Background reading does not count.
 - Analyze potential risks to the project, and comment on strategies for minimizing the risks.
- audience: The report should be written as if it will be read by a computer professional who knows nothing about the project. Carefully define all concepts that are not common knowledge to computer professionals.
- length: Minimum length is three pages; there is no maximum length.
- structure: Use any suitable structure, formatting and spacing for the document. Include diagrams, graphs, and/or tables if appropriate.
- grading: The report will be graded on the usual characteristics for writing: clarity, correctness of spelling and grammar, completeness in addressing the above requirements, and logical structure.
- submission: submit to Moodle by the due time as a single file in any suitable format.

Part (B): Presentation (10 points)

Prepare and rehearse a five-minute presentation describing the overall goals of the project and your plan for achieving those goals. Any type of audiovisual materials may be used if desired. There is nothing to submit for this part of the assignment. The presentation will be graded on clarity, fluency, appropriate use of materials such as slides and/or whiteboard, and appropriate length. After each presentation, we will have an informal ungraded discussion about the project.