

Milestone 1

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Due Friday by 11:59pm **Points** 100 **Submitting** a file upload **File Types** pdf
Attempts 0 **Allowed Attempts** 2

Purpose

This assignment requires you to think deeply about project requirements. Your work now will help future teams (one of which you may be on!) by providing them preliminary analysis of engineering requirements.

What projects are you passionate about? What would be your approach if you were the product owner and designer of those projects? This assignment will help you articulate the answers to these questions.

Your write up will be used not only to help you identify what type of project you'd like to contribute to, but also to inform future progress of that project. **This assignment is part of the WIC assessment required for you to graduate.**

Instructions

Review the projects available to you, listed in the project portal.

Identify at least 3 projects that most interest you. (Note: You will be bidding for 10 projects--so you may not end up on one of the projects you write about.)

Next, write a technical paper summarizing the project details in your own words, translating the description into a set of engineering requirements, and making recommendations for resources and approaches to the project.

You may use the following outline. Please include an Introduction and appropriate subheadings. Write in paragraphs. Aim for about 700 words **per project** description. Feel free to include a list of recommended resources, if you are struggling to hit the 700-words-per-project goal.

INTRODUCTION

I. Title of Project #1

A. Summary of project and stakeholders or partners in your

- B. A list or paragraph outlining the *engineering requirements*
- C. A list or paragraph outlining the *constraints* that might affect the project
- D. A recommendation paragraph that includes
 - (1) Key skills that will be needed to complete the project
 - (2) General list of equipment or resources that might be needed (e.g., GPUs; headsets)
 - (3) A rough timeline for development and what people will be responsible for development

I. Title of Project #2

Etc...

Submission Details

Upload a PDF of your writing to Canvas. Other students will be reading your work, so be sure to proofread for errors.

We run plagiarism checks on all materials for this class. One simple way to avoid Student Misconduct Report would be to cite any sources you may have referred to within the document.

Grading Criteria

This assignment will be graded using the Six Traits of Writing.

Milestone 1 Rubric

Criteria	Ratings	Pts
<p>Conventions, Word Choice, Sentences</p> <p>Grammar, spelling, and punctuation are correct. Vague words (e.g., pronouns such as 'it' or 'they') are not overused. The right word is used in the right place. There are no sentence fragments unless needed for a bulleted list. There are no run-on sentences.</p>		30.0 pts
<p>Ideas</p> <p>Ideas are neither too broad nor too narrow. Each project has been well-considered from a technical standpoint. There is a good amount of detail. Claims are supported by detail sentences and/or citations of credible sources.</p>		40.0 pts
<p>Organization</p> <p>The structure of the paper is clear and includes headings. Writer followed an outline, like the one suggested. Sections are parallel in construction and contain similar subsections. Transition words and phrases are used to show the logical flow of ideas and details. Loose ends are tied up and the reader's questions are answered.</p>		30.0 pts
Total Points: 100.0		