Your Project Title

Project Description and Clarification

HackerEarth

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Description automatically generated

**Your Team Name & Team Logo (pick something reasonable)**

(Provide a list of team members)

**Note**: Recall that this writing assignment says:

Length = 2+ pages text plus appendices as needed. Cover page, table of contents, glossary, references, pictures, tables, images, diagrams do not count for the 2+ pages text.

Posted as a single self‐contained file (no links to outside resources.)

Posted as a PDF file.

Typed single‐spaced.

Typed with black text.

Typed with #11 font size.

Typed using Arial font.

Typed with one inch margins on sides, top and bottom.

**Please erase this page in your final document.**

# Introduction

Give a detailed summary of the project background and motivation.

Introduce your project problem. Keep this discussion brief. Make sure there is not much overlap with the “Project Overview” section.

# Background and Related Work

Explain the domain and context in which you are trying to solve the project problem. You should describe the state-of-the-art for your project field and explain where your work fits in. You should demonstrate that you have read and understood what others in the field have done. This ensures you (1) know the state-of-the-art, (2) are not re-doing others work, and (3) know how you should make a contribution in the project domain. As you discuss each related work, make note of the contribution of that work. The related work may include books, research papers, white papers, online articles, open source repositories, etc. List the citations for the related work in the references section and cite them in this section.

In addition, describe the new technical knowledge and skills which you need to learn in order to complete this project.

# Project Overview

Describe your project problem in detail and summarize the project objectives.

Provide a detailed description of the goals and desired outcomes. You should discuss the intended outcomes of the project with your mentor and summarize them here.

This section should be detailed enough to show that your team has a clear understanding of the project objectives and outcomes. Please plan on having 1+ page text on “Project Overview”.

# Client and Stakeholder Identification and Preferences

Identify your clients and stakeholders (In CptS 421/423 your industry sponsor and mentor is your primary client, however many stakeholders also exist beyond the sponsoring company, mentor and co-mentor. A stakeholder is a person or role that is affected by the system that you will develop in some way, so even a description of any expected future users should be included.)

Briefly describe the needs and preferences of your clients and stakeholders.

# Glossary

Define technical terms used in the document.

# References

Cite your references here. Please follow the IEEE citation standard for your references. (http://www.ieee.org/documents/ieeecitationref.pdf)

For the papers you cite give the authors, the title of the article, the journal name, journal volume number, date of publication and inclusive page numbers. Giving only the URL for the journal is not appropriate. For the websites, give the title, author (if applicable) and the website URL.