**High-Level Project Overview - Template**

***INSTRUCTIONS:***

Please refer to this document as a **template** to describe your project before you start writing code with your team members. You can freely use other online template or come up with your own documentation template for a software project. The key idea here is to give a high-level overview of your project.

* Submission deadline: **October 10th, 2024**.
* See example of a drafted high-level software documentation on Canvas.
* Only one of your team member needs to submit this for your team project, **please nominate a team lead** among your groups. (Team lead get extra points)
* **Please submit a high level documentation of your project containing the 9 points below:**

**1. Context and Motivation**

* **Purpose:** Explain why the project is being undertaken. What problem does it solve or what opportunity does it exploit?
* **Background:** Provide any relevant background information that helps in understanding the context of the project.
* **Stakeholders**: Identify key stakeholders and their interests in the project.

**2. Introduction**

* **Overview:** Briefly describe the project and its significance.
* **Scope:** Summarize what the project will cover and any limitations.
* **Definitions:** Include any specific terms or acronyms used throughout the document.

**3. Aims and Objectives**

* **Goals:** Clearly state the primary goals of the project.
* **Objectives:** Break down the goals into specific, measurable objectives that the project aims to achieve.

**4. Principles**

* **Guiding Principles:** Outline the core principles or values that will guide the project’s execution.
* **Methodologies:** Mention any methodologies or frameworks that will be used (e.g., Agile, Scrum).

**5. Project Timeline**

* **Milestones:** List key milestones and their expected completion dates.
* **Phases:** Break down the project into phases with estimated timelines for each.

**6. Project Scope**

* **Inclusions:** Detail what is included in the project.
* **Exclusions:** Clearly state what is not included to manage expectations.
* **Assumptions:** List any assumptions that are being made in the planning of the project.

**7. Project Team and Responsibility**

* **Team Structure:** Describe the team structure and roles.
* **Responsibilities:** Assign responsibilities to each role within the team.

**8. Task Assignments**

* **Task Breakdown:** Provide a detailed breakdown of tasks.
* **Assignments:** Assign tasks to team members, specifying deadlines and deliverables.

**9. Appendix**

* **Supporting Documents:** Include any additional documents or references that support the project plan.