**Plan Document**

**[ Deadline and Milestones ]**

**1st Sprint Deadline and Milestones:**

**Goals in the 1st Sprint:**

1. Develop the project plan and sketch out the planned implementation
2. Design a UML and identify the needed research that will be needed
3. Start a rough implementation and refactor to have a base for the project

**Deadline**

**The deadline of the 1st spring:** October 28, 2022

**Reasons why the deadline may be delayed:** Other class work complications, or misinterpretation of what is needed to start implementation.

**What can be done to prevent this delay:** Plan to be done ahead of schedule

**Milestones**

**Milestone 1 date:** October 24, 2022

**What is planned for this milestone:** Refine the project plan and sketch out the planned implementation.

**Milestone 2 date:** October 26, 2022

**What is planned for this milestone:** Re-Design a UML after identifying the needed research that will be needed

**Milestone 3 date:** October 28, 2022

**What is planned for this milestone:** Finish a rough implementation and refactor to have a base for the project

**2nd Sprint Deadline and Milestones:**

**Goals in the 2nd Sprint:**

1. Finish implementation of the required features, refactor the code, and look for code smells.
2. Test the application to make sure there are no major bugs
3. Complete the documentation, and review the design process

**Deadline**

**The deadline of the 2nd spring:** November 4, 2022

**Reasons why the deadline may be delayed:** Other class work complications, or misinterpretation of what is needed to start implementation.

**What can be done to prevent this delay:** Plan to be done ahead of schedule

**Milestones**

**Milestone 1 date:** October 31, 2022

**What is planned for this milestone:** Implement in the needed features in an improved way attempting to eliminate as many code smells as possible from the rough code implementation.

**Milestone 2 date:** November 2, 2022

**What is planned for this milestone:** Test the applications functionality for major bugs and possible code improvements.

**Milestone 3 date:** November 4, 2022

**What is planned for this milestone:** Document all the features for both the customers and the developers.