

Acknowledgement of AI:

We utilized Google Gemini (<https://gemini.google.com/>) to assist with multiple aspects of this project. Its primary uses included:

1. **Creating Javadoc Documentation:** We generated initial drafts and suggestions for Javadoc comments, particularly for describing method parameters, return values, and class functionalities. Then, we use it to further enhance the explanation and sentence fluency in documenting our code.
2. **Refining Design Rationale:** We use Gemini to assist us in brainstorming ideas that are creative and feasible, and definitely going through our discussions in understanding them. Then, we use it to structure sentence arguments and refine explanations for the project's design rationale.
3. **Code Implementation:** When we have the ideas and created the UML and designs, we used Gemini to assist us in implementing the codes and ensuring high design principles. It helps to suggest implementation approaches, and providing examples for specific functionalities.

For these purposes, we engaged in several interactions with Gemini to obtain starting points, suggestions, and code examples. Then, we carefully reviewed all output generated by the tool, including text and code. We made necessary modifications, additions, debugging, integration, and formatting adjustments. This was done to ensure the final Javadoc documentation, design rationale, and code accurately reflect the project requirements and design decisions, function correctly, are complete, and conform to project standards.