

Acknowledgement of AI:

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

1. **Javadoc Documentation:** Generating initial drafts and suggestions for Javadoc comments, particularly for describing method parameters, return values, and class functionalities.
2. **Design Rationale:** Assisting in brainstorming ideas, structuring arguments, and refining explanations for the project's design rationale.
3. **Code Implementation:** Generating code snippets, suggesting 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. Subsequently, 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.