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Lab 08 Markdown Formatting

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Progress Check for Week 1:

This is our Plan for developing a Markdown formatting using Java:

1. **Understand Markdown Syntax:**
   - Research the basic Markdown Syntax, such as headings, bold/italic text, lists, links, images, code blocks, blockquotes, and horizontal rules.
   - After we understand the Markdown Syntax, we will list the common Markdown elements we want to implement in your project.
2. **Define the Scope of the Project**:
   For this project, we have some formatting syntax that we wanted to implement which is:
   - Headings
   - Bold and italic text
   - Lists (ordered and unordered)
   - Links
   - Images
   - Inline code and code blocks
   - Blockquotes
   - Horizontal rules

   This is just a small process that my teammate has thought, but in the future, we will add more formatting like changing color of the text or resizing the text.

3. **Plan for User Input:** So, we decided to let user input their text inside the console of VSCode and will read it from the file.
4. **Define Output:** After user input, we save the text into the different file and exporting to a .md file because inside the terminal of VSCode cannot display the difference format text.
5. **Understand Java Standard Library (Core Java):** need to do more research about java library to implement this project.
   For example:
   - java. util.regex → For pattern matching and parsing Markdown syntax.
   - java.io → For reading and writing Markdown files.