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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.

Progress updated every week:

- What are tasks done last week?
  For last week what we have done is about how the user can change the headings to the title or subtitle and the user can put the fonts to bold or italic text.
- What are tasks to be done this week?
  For this week we might explore more and work on lists and link to give the user to input something that user want also the user can insert link in it.
- What are the problems stuck?
  For the problems that we faced since we worked together are about how to learn new things about Markdown Syntax because it's new for us that why we need to spend more time on it to learn and research on the internet also to estimate the top-down estimation and bottom-up estimation. Moreover, we need to learn and research more about the Java library to handle and implement on the project well.