**UML Guidelines**

1. Use Clear Naming Conventions:

Classes, attributes, and methods should have descriptive names that clearly indicate their purpose.

2. Minimize Global Dependencies:

Avoid global relationships unless necessary. Try to design classes to be as independent as possible.

3. Document Changes:

Include notes or comments in the UML diagram for any modifications, with the name and the date of the change.

4. Consistency in Style:

Maintain consistent styling throughout the UML diagram, similar to coding styles for indents, alignment, spacing, and tabulation.

This includes consistent use of font sizes, line styles (solid, dashed), and color coding if used.

5. Visibility Indicators:

Clearly indicate the visibility of class members using UML.

6. Association Names and Multiplicity:

Clearly label associations with names and multiplicity to indicate the nature and strength of relationships between classes.

7. Update the Diagram with Code:

Ensure the UML diagram stays up-to-date with the codebase. Changes in the code should be reflected in the UML as soon as possible.

8. Diagram Layout:

Organize the layout of the diagram so that it is easy to follow. Avoid crossing lines and try to keep related classes near each other.

9. Avoid the Error:

Add “\_init\_(): void” in every class to avoid the error when export to python code.