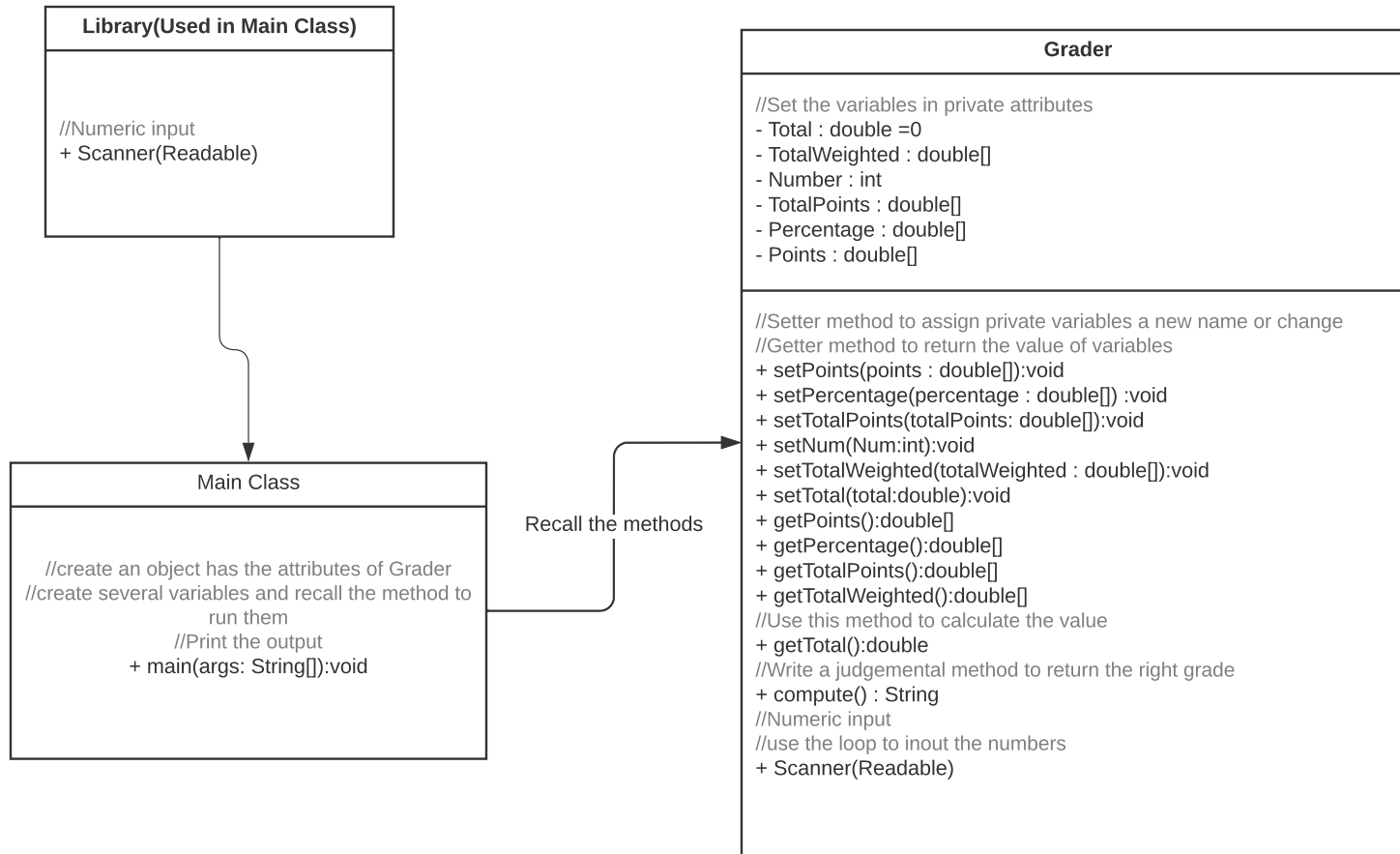


Grader

Zihao Zhang | October 21, 2022



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INFO 5100
Lab Assignment 5
Project Analysis

Project Name: Grader

Statement: Grader is a grading system that can generate final weighted grade by entering parameters.

Limitations and Improvement Demands:

- 1) Unclear input formatting, any errors in indentation or inaccurate line breaks can lead to incorrect final results. Solution: Clear instructions are needed to guide users on how to enter data, and there should be testing ways to detect and avoid formatting errors.
- 2) It does not support the input of large batches of data or data in document format, which is time-consuming and laborious to input manually. Solution: Develops to support the recognition of file formats and to support the input of large volumes of files.
- 3) There is no interface for actionable user input and the user experience of inputting in a development environment is not very good. Solution: Needs a professional interactive interface, GUI.
- 4) The project does not automatically recognise the number of grades entered, but requires the number of grades to be entered in advance. Improvement: the number of grades entered is automatically read and recorded, and the percentage of grades that do not correspond to the number of grades entered and the total grade are reported as errors.
- 5) Many of these methods can be optimised. Solution: Use fewer loops or remove some unused methods that are not running.