

CS 471 Senior Capstone I, Fall 2024

Code Review Activity #2

This activity is to be done in a small group. It deals with the C++ source file `elevator.cpp`, which is in the class Git repository.

Checklist

Local Coding Standards

- Does the code adhere to reasonable, consistent conventions for indentation, spacing, etc.?
- Are the imports that are done exactly those that are needed?
- [C++] Are namespaces (`std::`, etc.) handled correctly?

General Good Practices

- Is the code readable?
- Are identifiers (names of classes, functions, variables) well chosen?
- Are there any unsafe, unnecessarily inefficient, or generally poor practices in the code?

Suitability for Intended Use

- Is the overall organization and purpose of the code clear and easy to understand?
- Is the code sensibly divided into components? Do the functions perform clear, reasonable, well chosen tasks?
- Is the code suitable for the task it is intended to perform?

Other

- Is there anything else you want to point out?

Procedures

Using the above checklist, do a code review of the file. Base this on the following note from the author.

Author's Note

Files modified: `elevator.cpp` (new file).

I have written C++ code which performs an elevator's function like carrying people from one floor to another. It is a fun project and I have written to test my C++ skills. Please review this code and suggest improvements. Also suggest some other features I should add.

When people enter in elevator at any floor, the user should know how many people are entering and it is entered in `num_of_reqs`. How to write code such that we do not need variable `num_of_reqs`.