**Elevator Control System - README**

**Overview**

This project implements a simple elevator control system using Python. The main functionality is encapsulated within the BUILDING\_CLASS.py file, which represents the core logic of managing elevators within a building.

**Features**

* **Elevator Management**: Controls the movement and operation of elevators within a simulated building environment.
* **Request Handling**: Processes requests from different floors to call or use elevators.
* **Simulation**: Simulates elevator behavior and movement based on the provided logic.

**Installation**

1. Clone the repository:

bash

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git clone https://github.com/yona-loop1/elevator\_project\_mefathim.git

1. Navigate to the project directory.

**Usage**

To use the elevator control system in your own projects, follow these steps:

1. Import the BUILDING\_CLASS module:

python

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from BUILDING\_CLASS import Building

1. Initialize a Building object:

python

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building = Building(num\_elevators, num\_floors)

* + num\_elevators: Number of elevators in the building.
  + num\_floors: Number of floors the building has.

1. Interact with the elevators using the following methods:
   * request\_elevator(floor, direction): Requests an elevator to a specific floor.
   * request\_floor(elevator\_id, floor): Requests an elevator to go to a specific floor.
2. Simulate the elevator system as per your requirements.

**Example**

Here's a simple example demonstrating the usage of the elevator control system:

python

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from BUILDING\_CLASS import Building

# Initialize a building with 3 elevators and 10 floors

building = Building(3, 10)

# Request an elevator to floor 5

building.request\_elevator(5, "up")

# Request elevator 2 to go to floor 8

building.request\_floor(2, 8)

**Contributing**

Contributions to this project are welcome. If you find any issues or have suggestions for improvements, please feel free to open an issue or a pull request on [GitHub](https://github.com/yona-loop1/elevator_project_mefathim).

**License**

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**Contact**

For questions or further information, please contact the project maintainer(s):

* [GitHub](https://github.com/yona-loop1)

Adjust the sections as necessary to fit additional details or specific instructions related to the project.

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