Pre-condition:

* The customer is inside the elevator and pushes the button.
* The elevator door is open.

Request floor from elevator

1. The floor request light lights up.
2. Elevator closes door.
3. It leaves its current floor.
4. Elevator reaches its desired floor.
5. The floor indicator light changes to its current floor.
6. The floor request light turns off.
7. The door opens.
8. The customer leaves the elevator

Extension

4a. The elevator reaches an intermediate floor that has been requested.

Pre-condition:

* The customer is outside the elevator and pushes the call button.
* The elevator door is open.

Request elevator from floor

1. The floor call button lights up.
2. The door closes.
3. The elevator departs from floor.
4. Elevator reaches its desired floor.
5. The floor indicator light changes to its current floor.
6. The floor call button light turns off.
7. The door opens.
8. The customer enters the elevator

Extension

4a. The elevator reaches an intermediate floor that has been requested.

Pre-condition:

* The elevator is between two floors.
* The customer pushes the emergency stop.

Emergency Stop

1. The elevator stops immediately.
2. The emergency light lights up.
3. All call requests are deleted.

Extension

Pre-condition:

* The elevator is on a floor.
* The customer pushes the emergency stop.

Emergency Stop

1. The elevator stops immediately.
2. The emergency light lights up.
3. All call requests are deleted.
4. The door opens.
5. When the emergency button is released the door closes after three seconds.

Extension