# Developer Exercise

## Some guidance

1. Use HTML + JavaScript language to solve this challenge. Code must work and find the solution.

2. A proper combination of SOLID principles and design patterns with an appropriate use can help you resolve the problems faster.

3. When you're done, send us a zip file with the code.

4. Use the Internet as a resource to help you complete your work. We do it all the time.

5. Try to find a balance between time and result, please allocate a reasonable time for it.

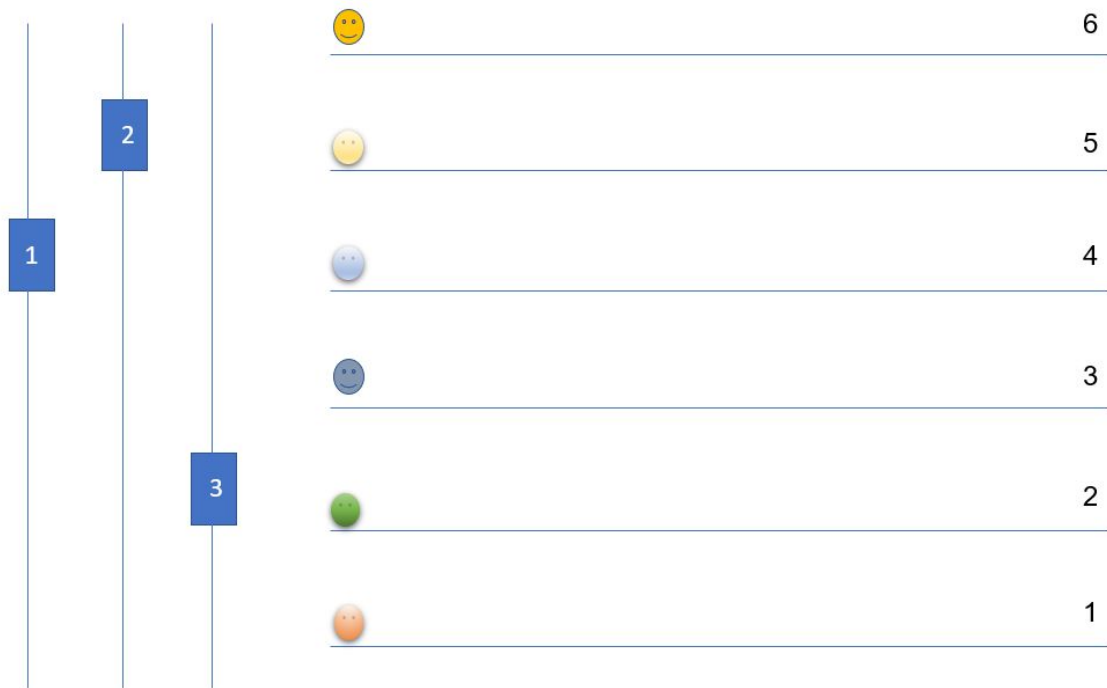6. Have fun!

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## The Task

In a building there are three elevators and 20 floors, people on each floor can order an elevator.

When ordering an elevator, bring the elevator closest to the floor where the elevator was ordered.

Rules example:

1. If the yellow person on the 6th floor orders the elevator, elevator 2 will move and to the 6th floor.

2. If the 3rd floor person orders the elevator, there are two options, one of the 1st and 3rd floor elevators can move and arrive.

Example:

✓ You can click on each floor or person and the elevators will move accordingly.

✓ Elevator should move to the right floor, people don't move.

✓ You can play a bit with the movement effect of the elevator.

✓ This sketch is just an example, design is up to you.