

A low-angle, upward-looking shot of a modern skyscraper with a glass facade. The building's structure is composed of a grid of dark frames and large glass panels that reflect the sky and clouds. In the lower center of the frame, a green, slender alien silhouette stands on a ledge, holding a glowing, realistic image of the Earth. A large, semi-transparent yellow circle is positioned in the upper right quadrant, containing the title and author's name.

Unilog Test Assignment

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General Description:

An elevator, also called "lift", is a car that moves in a vertical shaft to carry passengers or freight between the levels of the building. The elevator was invented in 1880 by a German inventor.

Most elevators, like the one in our building, are propelled by electric motors, with the aid of a counterweight, through a system of cables and sheaves.

Our elevator is a bit different than the rest and has the following attributes:

- Large cubical space.
- 4 tempered glass doors containing smart sensors.
- A wireless security camera with a microphone on the upper left part.
- A door-embedded smart screen with a camera, a microphone, and a speaker.
- An emergency button.
- Smart sensors.
- Smart recessed floor lights.
- An outside smart sensor.
- 24/7 commend center.
- 1 backup smart screen on the left door.
- 1 backup smart sensor.
- Backup generator.
- Conveyor belt.

Instructions:

The alien must go through a few stages to successfully arrive on the 7th floor.

Most of the stages are being done automatically; so that we won't need to count on it to "help" us in the process. **The stages are:**

- 1) The **alien faces the elevator**.
- 2) A Smart **sensor**, embedded in the outside glass doors that detects motion, sound and heat is **picking up the alien's presence**.
- 3) The sensor is **transmitting** a message to the embedded Smart Screen inside the elevator to **call it**.
- 4) The elevator **arrives to the floor** the signal was sent from.
- 5) The smart screen, using a smart camera installed, is **taking a picture of the creature** and transmits it to the **Commend Center** & to the Smart Screen.
- 6) The Smart Screen is processing the image, generates and displays a **tutorial video** of the alien **using the elevator to get to the 7th floor**.
- 7) Once the tutorial video **ends**, the elevator **doors are opening**, and the elevator **floor lights up**.
- 8) The curious **alien enters the elevator**, and the doors are closing right after.
- 9) The 24 floors floating buttons are displayed as numbers on the elevator's floor with **only the 7th floor button lighten up** and next to it the **alien picture+ planet earth emoji**.
- 10) The creature either looks directly or touches the hologram while the smart screen/ the camera are '**waiting' to receive a commend**.
- 11) The smart screen/camera received the commend **to get to the 7th floor** based on the predefined actions of looking/ touching.
- 12) The elevator doors are **opening on the 7th floor** and the alien goes out... just as in the tutorial video. See it below.



Different Scenarios



Problem

If the elevator stops at a different level and someone walks in?

What if the alien wont come inside the elevator?

How about a power outage?

What if the alien tries to break through the elevator?

What if we need the alien to go off on the 9th floor?

What if the alien cant mobilize?

The smart screen/ sensor isnt working?

What if the alien doesnt select the 7th floor?

What if the elevator is full?



Solution

A personal from the Commend Center will communicate via the Smart Screen and use the person to help the alien get to the 7th floor.

The commend center will try to lure him in using sounds and lights.

The stress sign will light up and will attract people to help+ we have a backup generator.

The doors are tempered glass, have at it.

The tutorial video and the floors slection will be displayed once more to reselect.

A conveyor belt will be opened after 2 minutes with no movment.

We have a backup one. Or a remote access to repair it.

It cant. The smart screen has given it only the 7th floor as an option.

Thats great, a personal from the CC will ask for the people's help.

DB Structure



STEP BY STEP GUIDE

Alien-Elevator Mission

