



## Task 2

*SBE 303B*

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## **Task Components :**

- AT89C51 IC
- 5 Buttons
- Green led
- Red led
- Blue led
- 1 seven-seg-common cathode
- 1 DC motor
- 3 logic toggle ( 2 to mimic IR sensors and one for opening door)

## **Task Description :**

The simulation demo is an implementation of a 4 floors elevator and ground floor

If blue led is on it means that door is closed .

If green led is on it means that door is open .

If red led is on it means that there is persons overload .

Every floor has a button request when clicked the elevator goes to it .

# Schematic Diagram

