**Digital Elevator PO4\_DGELV**

**Definition:**

This project aims to have a digital Elevator with lock system

**Features:**

* Lock system at calling the elevator
* Up and Down movement
* On / Off for the elevator and reset.

**Key Elements:**

* **[DIGELV \_CRS\_01\_V1.0]** You have 10 users for this Elevator
* **[DIGELV \_CRS\_02\_V1.0]** Each user has a Username and password.
* **[DIGELV \_CRS\_03\_V1.0]** When the user calling the elevator for the first time, the system will acquire him to enter New ID “First name” by max 10 character and a new password “\*\*\*\*” 4 digits then he is OK to use the Elevator
* **[DIGELV \_CRS\_04\_V1.0]** When the user is calling the Elevator for the second time, the system will request him to enter his ID and pass to use the ELEV.
* **[DIGELV \_CRS\_05\_V1.0]** when user is setting the ID is it already taken system has to ask for another one.
* **[DIGELV \_CRS\_06\_V1.0]** When pass for the given ID is correct the system should give display OK and start moving up / Down as the request from the user.
* **[DIGELV \_CRS\_07\_V1.0]** When the Pass of the given ID is wrong the system should display NOK with Buzz sound
* **[DIGELV \_CRS\_08\_V1.0]** The user has 3 trials then blocked for 5 sec
* **[DIGELV \_CRS\_09\_V1.0]** Calling the ELEV is done by Up/Down switches
* **[DIGELV \_CRS\_10\_V1.0]** A reset for the whole system is done when pressing on /off button for 2 sec

Note: simulate the Movement up and down by a motor