**PO1\_DGC\_Digital**

**GDD Document**

**Version 1.0**

**Proposed**

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# **Project Description**

The major feature of the digital elevator as listed below:

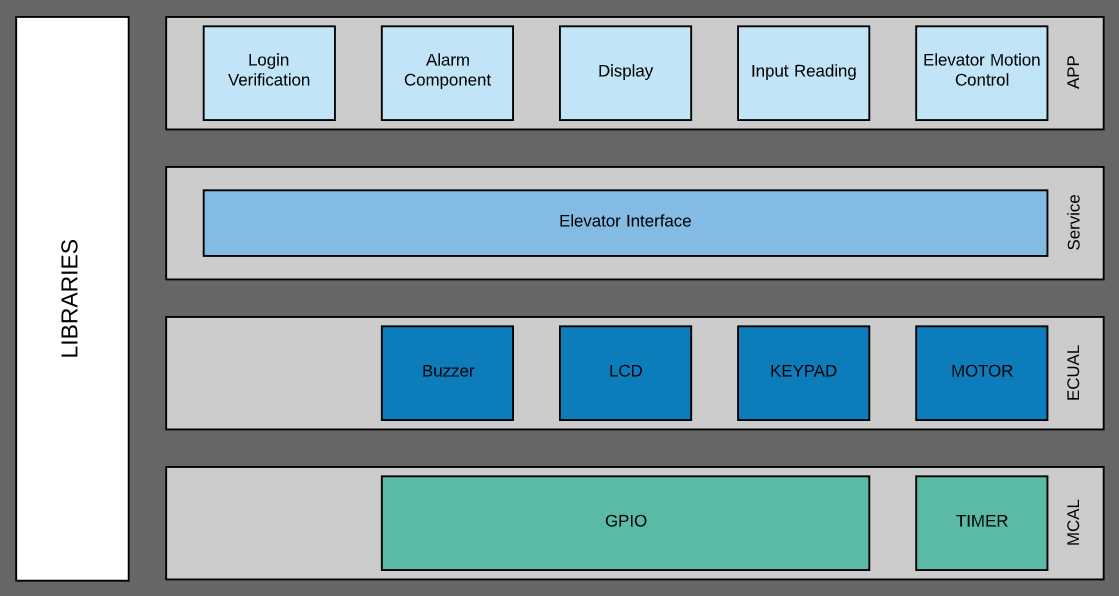
* Check if the user is signed in/up or not.
* Check the limit number of users (maximum number of users is 10).
* Display the status using a user-friendly interface.
* Require the password and userID.
* Two buttons to control the system:

1. Button for up movement.
2. Button for down movement.
3. Pushing Two Buttons together resets the system.

# **Static Architecture**

## **Layered Architecture**

The layered architecture represents the architecture of the project as separate horizontal layers, and shows the dependency of each module in any layer on other modules as shown in Figure ‎1-1.



*Figure ‎1-1 Project Layered Architecture*