**SRS (Software Requirements Specification):**

**Title:**Develop an application using Beeglebone Black/ ARMCortex A5 development board to simulate the operationsof LIFT.

**Problem Definition:**Develop an application using Beeglebone Black/ ARM Cortex A5 development board to simulate the operations of LIFT.

**Scope:**This application gives understand and the use of Beeglebone Black board. And demonstrate the working of lift (Elevator).It is a simulation of lift. Shows the interaction between the Host, Beeglebone Black Board and lift simulator kit.

**Functional Requirements:**

* Up and down functionality work properly.
* Current floor should display properly.
* Lift Button should work properly

**Non Functional Requirements:**

* **Performance:**

Sometimes performance of the system also depends on code, which is used for developing the project. The code should be more flexible, scalable, and easy to implement.

* **Design constraints imposed on an implementation**:

1. Hardware requirements:BBB (BeagleBone Black), Lift (Elevator) Simulation Card
2. Software requirements: Linux distribution running on BBB (Ubuntu 14.0.1), Python.

* **Accuracy:**

Accuracy is depends on response of the system. Means if we pressed the button then it should give the response.

**Constrains:**

* It is just simulation.
* If power goes off then it not works.

**Conclusion:**

Thus we have understood about the working of lift by using BeagleBone Black board and lift simulator.