**LED\_Sequence V1**

**Dev name: Arafa Arafa**

**Description:**

**Led sequence system include 4 leds and one button to control them Idle state of system all leds off with pressing button will turn on each led until all leds on then toggle each one sequentially.**

**There are diagrams to describe the system.**

**Graphical user interface, chart, bar chart

Description automatically generated**

Figure Layer architecture

Diagram

Description automatically generated

Figure flow chart

Diagram

Description automatically generated

Figure State machine

Chart, diagram, box and whisker chart

Description automatically generated

Figure Sequence diagram