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| **Requirement ID** | **Questionnaire** | **Technical** | **SIQ ID** |
| R-00-1 | LCD | LCD\_VoidDisplay();  It doesn't take any input argument and doesn't return any data and you must call it in initialize lcd | 1 |
| R-00-2 | Push Button type | Bouncing\_u8Bounce(u8 SwPin);  Deal with bouncing of switch It take input argument of pin that connect to switch and return ok when take right number of pin else return error | 2 |
| R-00-3 | Push Button functionality | 1. Select\_Button();   Doesn't take any argument and don’t return thing.  Will display  First line "🡪1- fan speed "  Second line "2-Temperature"  When pressed selector again arrow down on temperature, when user pressed button for 2 second will select temperature and display increase or decrease temperature  . And when user want to increase temperature function Increase\_Button(); will called This function doesn’t take any argument and don’t return .,when user want to decrease temperature Function decrease\_Button(); will called same for fan speed .This function doesn’t take any argument and don’t return .2-Increase\_Button();  This function doesn’t take any argument and don’t return .Will increase the fan speed and display temperature on lcd.  3—decrease\_Button();  Will decrease the fan speed and display temperature on lcd.  4-Turn\_OnOff();  When user pushed this button one's will turn on lcd and display the last Temperature ,when user pushed again turn off lcd, stop fan and save the last reading of temperature in eeprom of  micro controller. | 3 |
| R-00-5 | Default value when making reset | Save\_Last\_Read();  This function doesn’t take any argument and don’t return.  Will save reading of temperature and fan speed in eeprom when turn off the system. | 4 |