**Tasks:**

* Refactor main.cpp, move AWS connection/ WIFI/ MQTT to a library.
* Add Battery Monitoring Icon
* Test application on AWS console.

**Reflections:**

So far features in main application was not segregated, this breaks the principles of single responsibility making difficult to understanding the whole system. To overcome this issue features is now within classes and libraries. Below the final layer hierarchy diagram and responsibilities of each feature in disposed.

|--lib  
| |  
| |--adxl357b  
| | |- adxl357.cpp  
| | |- adxl357.h  
| |  
| |--adxl357b\_app  
| | |- adxl357b\_app.cpp  
| | |- adxl357b\_app.h  
| |  
| |--aws\_iot  
| | |- aws\_iot.cpp  
| | |- aws\_iot.h  
| | |- secrets.h  
| |  
| |--OLED  
| | |- OLED.cpp  
| | |- OLED.h  
| | |- battery.h  
| | |- images.h  
|  
|- platformio.ini  
|--src  
 |- main.c

