1. The HAT will be used as a low power temperature sensor which can be used in remote locations to log temperatures over time and alert users when the sensor reads above a maximum or below a minimum temperature. The attachments will be a digital temperature sensor, a potentiometer and push button among other things. Our use scenarios are in machinery, to alert the user when the machine is not in its operating temperature range, remote temperature logging in inaccessible locations such as the desert or under the ocean, and as a portable temperature logger for personal use.
2. User roles and requirements: