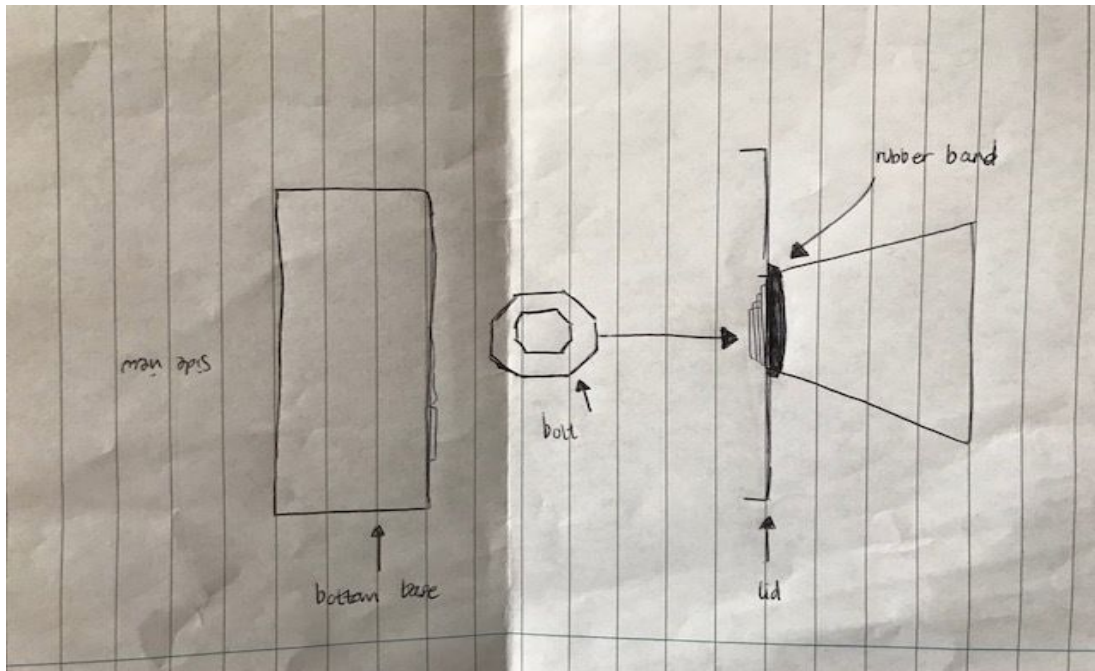
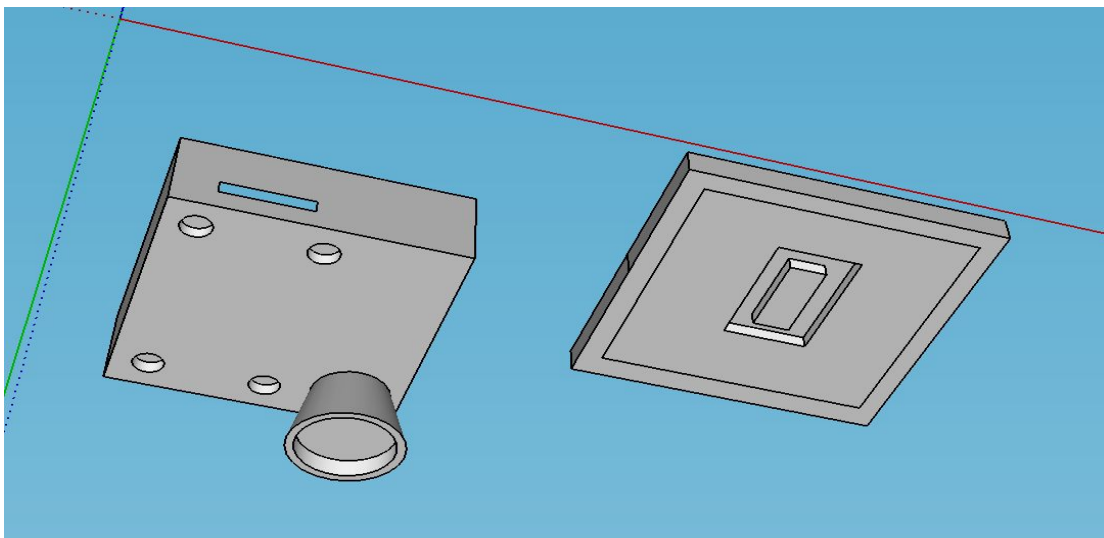


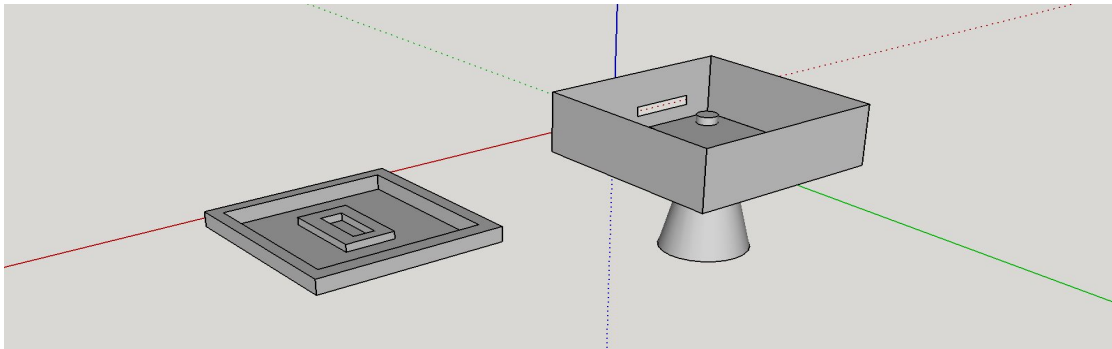
## Case Design

After searching for watertight cases online, we decided we wanted to experiment with 3D printing and create our own case. This document will show our process in designing our own 3D case.



Firstly we started thinking about the features our case would need, specifically how to fit the sensor within it, so we created the above first sketch. Then we modelled an initial design of the case using SketchUp software. It incorporated a slot for our sensor to fit in on one corner, and a slot for our SD Card to be easily popped out for debugging purposes without the need of removing the whole processor:





Once our PCB sizes were confirmed by our supervisor, we were able to begin designing our case using exact measurements in the Fusion360 software:

