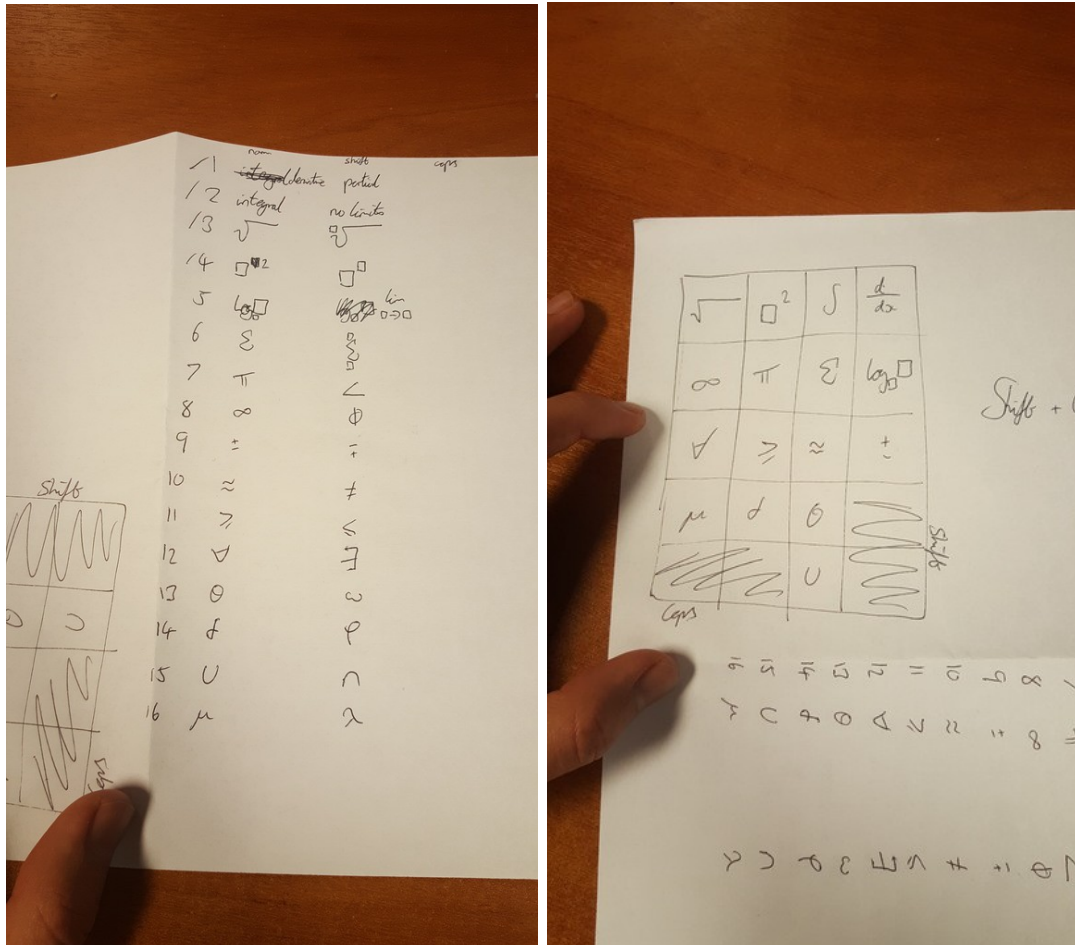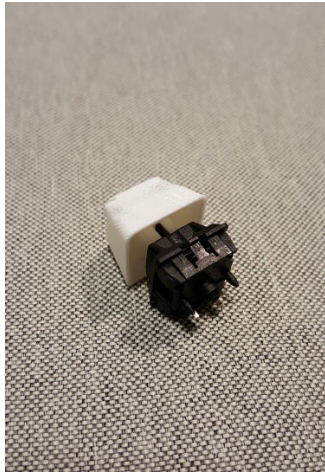## 20170126 meeting

- 12PM @Central Lib Study Room B
- Recorder: Burgess Xu Wang
- Attendance: All
- Summary the progress:
  1. Hardware: teensy microcontroller received. In the meeting, the group decided 5x4 keyboard matrix with 18 keys, which are 16 symbol keys and 2 modifiers.
  2. Software: research on programming is continuously conducting. the group decided a list of key symbols on the keys. And a draft of the symbol layout at the stage.

  3. Industrial design: CAD for keycaps and circuit frame has been optimized. A suitable prototype for one key cap has been made. The quality is improved. Hardware team and ID team cooperated to make sure that the frame and PCB fit well together.

4. Documentation: each part of the interim report has been composed. And almost every section has initially finished.

- Tasks at the stages:
    1. **Hardware**: finish up the final design for PCB and PCB's routing. Come up with an entire SW-HD interface reference, which identify the pin assignment and interconnection among Controller core, Display and key matrix to put in the report. After report, the HW team will make up a simplified 2x2 key matrix and hardware circuitry on a breadboard for the SW team to start pretests.
    2. **Software**: continue research and programme buildup.
    3. **Industrial**: to compose the report. And keep on researching on the 3D-print method.
    4. **Documentation**: finish up the report by next week so that the group can save a week's time in advance for Mrs. Perea to do the formative assessment.

- Meeting finished @13pm
- Next meeting time to be decided.