Sign Language glove

By Nour Abdellatif
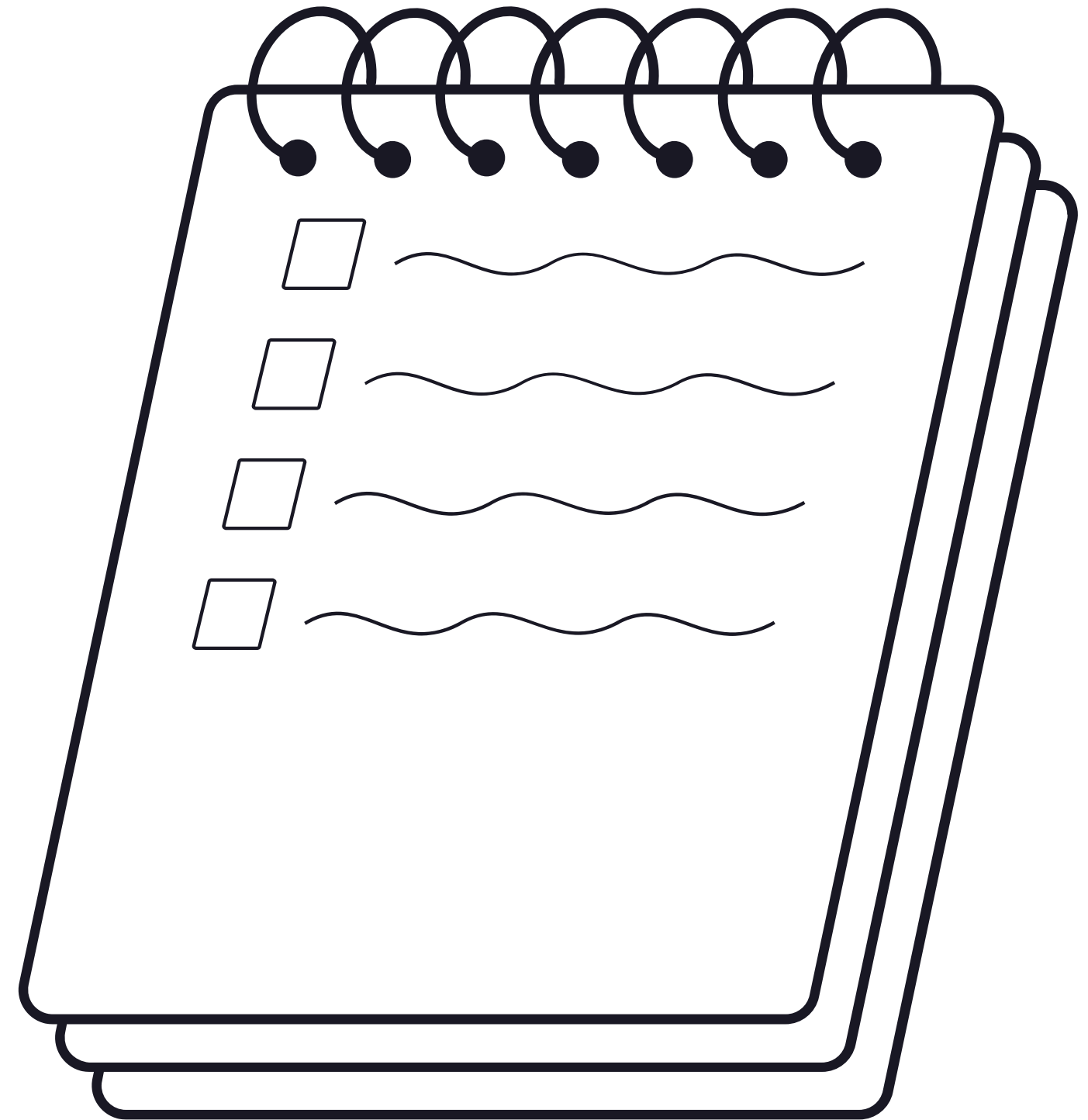
People with impaired hearing would love this product
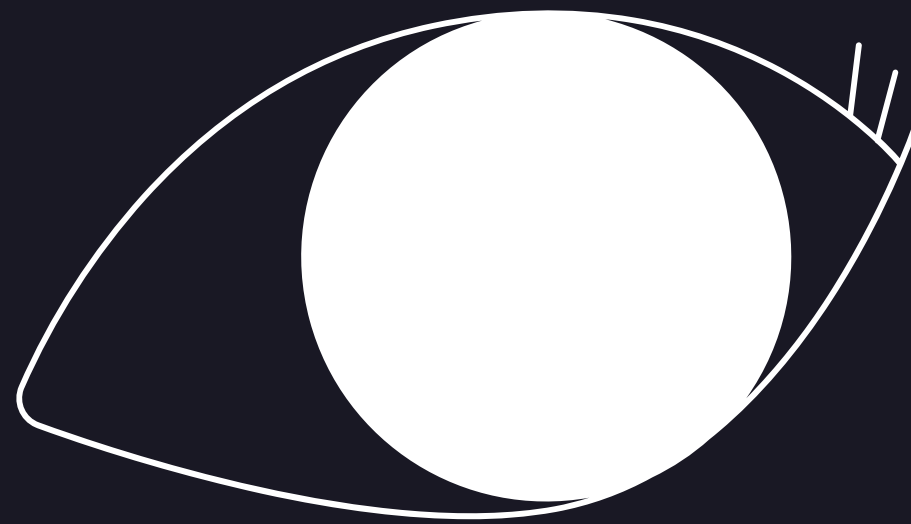
Depending on your hand movements, A different message is printed on the LCD

DRIVERS USED:
- # ADC
- # LCD

BUT HOW DOES IT WORK?

PRODUCT STRUCTURE

GLOVE

- The glove consists of 5 bendable resistors that act as sensors for the fingers movements. The bending translates to voltage change which the microchip reads.

LCD

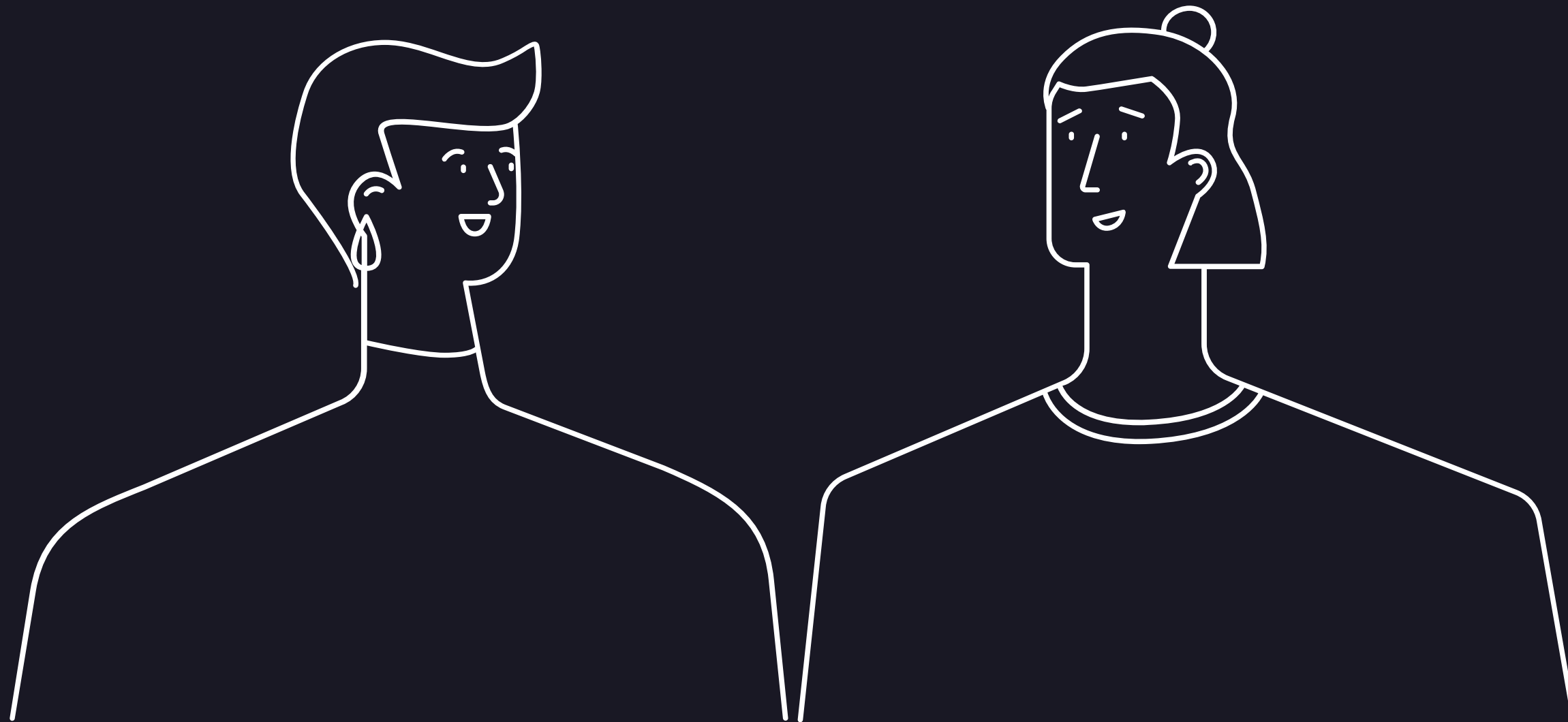- Prints message depending on the hand position

ATMEGA-32

- The logic handling microcontroller that connects all of the components together

Link to flowchart

Repo

All the files are found in the repo regarding simulation and code.

Thank you

Contact me through: