Victory Stewart and Rayder Alterman

Video Link

https://www.youtube.com/watch?v=IhwqXVF9qwQ

Limitations:

- Humidity sensor can only sense in range 20%-90%
- Temperature sensor can only sense in range 0-50 degrees celsius
- Fan can only go from 3-6V
- LCD screen can only hold 2 rows and 16 columns
- Space became a major limitation especially in the later parts of the project

Documentation

DHT11 Temperature and Humidity Module:

https://www.mouser.com/datasheet/2/758/DHT11-Technical-Data-Sheet-Translated-Version-1143054.pdf

Stepper Motor:

https://www.velmex.com/Downloads/OEM-Spec_Charts/PK264M-03B_StepperMotor.pdf

Water Level Detection Sensor Module:

https://curtocircuito.com.br/datasheet/sensor/nivel_de_agua_analogico.pdf

DS1307RTC Module:

https://www.analog.com/media/en/technical-documentation/data-sheets/ds1307.pdf

LCD1602 Module:

https://www.analog.com/media/en/technical-documentation/data-sheets/ds1307.pdf