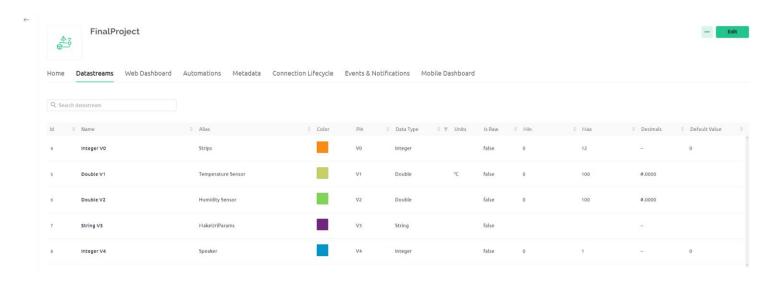




This our Blynk dashboard contains the following 4 widgets:

- 1. Slider for controlling the number of plants should be watered.
- 2. Switch turn on/off the speaker alarm.
- 3. Temperature Label display the current temperature in the greenhouse.
- 4. Humidity Label display the current temperature in the greenhouse.
- Both labels have green color if the temperature/humidity doesn't exceed the threshold. Once they do exceed, the label changes its color to red.



## Our Blynk dashboard contains the following 5 data streams:

- 1. V0 virtual pin that passes the number of plants that should be watered (number of lights in strip) from Blynk to the esp32.
- 2. V1 virtual pin that passes the information from the temperate & humidity sensor to the temperature label.
- 3. V2 virtual pin that passes the information from the temperate & humidity sensor to the humidity label.
- 4. V4 virtual pin that passes the information of turn on/off the speaker alarm from the Blynk dashboard to the esp32.
- 5. V3 a special virtual pin. We used this one for concatenation the information of water sensor and temperature& humidity sensor for passing a valid params the URL, sent from the Blynk to Make.com (Because of using free version of Blynk, we do not have option to send the parameters one by one, so we created a concatenated string of all of the three parameters). 2 relevant pictures in the following page.

Webhooks





