Webserver

Webserver is implemented in the Node MCU.

According to the HTTP requests sent by the user, operations are carried out.

* Location set up data sent by the user is sent to the Node RED and receive the weather details.
* Received weather data sent to the webpage.
* According to the selected method, watering is done.

HTTP request

HTTP reply

Webserver

(Node MCU)

Webpage

(User)

Webpage is designed using HTML, CSS and JavaScript.

User commands is sent to the Node MCU as HTTP requests.

* User sets up the location and send it to the Node MCU.
* User can set up the watering mode to either AUTO or MANUAL.

A Clock will be running in order to synchronize the sleeping schedule with the Node MCU. This will be further discussed later.

Graphical user interface, application

Description automatically generated

When set to MANUAL , this can be used to manually water the plants

Toggle between AUTO and MANUAL

To set up the location

Current Location Weather Details