# 4th Iteration

To create the web interface I am using Flask, a web framework written in python. (<https://en.wikipedia.org/wiki/Flask_(web_framework)>)

## Use subfolder template for the HTML files

Text

Description automatically generated

The template that holds the HTML file containing the structure for the website "index.html" could not be found, this is because index.html was placed in the same folder as the python script whereas it should have been in the folder called templates

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## Change host address

The site can only be accessed from the pi (known as localhost) but not over the network, fixed by adding a bind address of 0.0.0.0, this means the website was bound to all interfaces (in this case the ethernet interface) instead of just localhost, (<https://github.com/flutter/flutter/issues/32629#issuecomment-492176223>)

A screenshot of a computer

Description automatically generated with medium confidence

## Improving the looks

At this point the site was fully functional, as shown below, but I wanted to improve the look of the site

Text, letter

Description automatically generated

To do this I added bootstrap, jQuerry and Popper, these are CSS/JS libraries containing elements such as buttons, navbars and tables

First I created a table to layout the data in a more visually appealing way, this can be seen below

Then I added a homepage and navigation bar to the page, as seen below