**Routing To The Html Page**

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| **TEAM\_ID** | PNT2022TMID38003 |
| **PROJECT NAME** | AI-Powered Nutrition Analyzer For Fitness Enthusiasts |

Here, the declared constructor is used to route to the HTML page created earlier.

In the above example, the ‘/’ URL is bound with the home.html function. Hence, when the home page of the webserver is opened in the browser, the HTML page is rendered.

Whenever you enter the values from the HTML page the values can be retrieved using the POST Method.

Here, “home.html” is rendered when the home button is clicked on the UI

@app.route('/')# route to display the home page def home():

return render\_template('home.html')#rendering the home page

@app.route('/image1',methods=['GET','POST'])# routes to the index html def image1():

return render\_template("image.html")

When “image is uploaded “on the UI, the launch function is executed

@app.route('/predict',methods=['GET', 'POST'])# route to show the predictions in a web UI def launch():

It will take the image request and we will be storing that image in our local system then we will convert the image into our required size and finally, we will be predicting the results with the help of our model which we trained and depending upon the class identified we will showcase the class name and its properties by rendering the respective html pages.

**API Integration:**

def nutrition(index):

url = "<https://calorieninjas.p.rapidapi.com/v1/nutrition>" querystring = {"query":index}

headers = {

'x-rapidapi-key': "5d797ab107mshe668f26bd044e64p1ffd34jsnf47bfa9a8ee4", 'x-rapidapi-host': "calorieninjas.p.rapidapi.com"

}

response = requests.request("GET", url, headers=headers, params=querystring) print(response.text)

return response.json()['items']

Finally, Run the application

This is used to run the application in a localhost. The local host runs on port number 5000.(We can give different port numbers)