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| --- | --- |
| Date | 17November 2022 |
| Team ID | PNT2022TMID34036 |
| Project Name | AI-powered Nutrition Analyzer for Fitness Enthusiasts |

**Create HTML Pages**

* We use HTML to create the front-end part of the web page.
* Here, we have created 3 HTML pages- home.html, image.html,imageprediction.html, and 0.html.
* home.html displays the home page.
* image.html is used for uploading the image
* imageprediction.html will showcase the output
* 0.html is to showcase the result. It tells the action to be performed on imageprediction.html while showcasing the result. For more information regarding HTML <https://www.w3schools.com/html/>
* We also use JavaScript-main.js and CSS-main.css to enhance our functionality and view of HTML pages.

oLink [:CSS ,](https://www.w3schools.com/css/) [JS](https://www.w3schools.com/js/DEFAULT.asp)

# Demo.html

<!DOCTYPE html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS --> <link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384- Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<title>Demo</title>

</head>

<body>

<style>

@charset "UTF-8";

.image { width: 250px;

float: left;

margin: 20px;

}

body { font- size: small; line-height: 1.4;

}

p { margin: 0;

}

.performance-facts { border: 1px solid black; margin: 20px; float: left; width: 320px; padding: 0.5rem;

}

.performance-facts table { border- collapse: collapse;

}

.performance-facts title { font-weight: bold; font- size: 2rem; margin: 0 0

0.25rem 0;

}

.performance-facts header { border-bottom: 10px solid black; padding: 0 0 0.25rem 0; margin:

0 0 0.5rem 0;

}

.performance-facts header p { margin: 0;

}

.performance-facts table, .performance-facts table--small, .performance-facts table--grid { width: 100%;

}

.performance-facts table thead tr th, .performance-facts table--small thead tr th,

.performance-facts table--grid thead tr th,

.performance-facts table thead tr td,

.performance-facts table--small thead tr td, .performance-facts table--grid thead tr td { border: 0;

}

.performance-facts table th, .performance-facts table--small th, .performance-facts table-grid th, .performance-facts table td,

.performance-facts table--small td, .performance-facts table--grid td { font-weight: normal; text-align: left; padding: 0.25rem 0; border- top: 1px solid black; white-space:

nowrap;

}

.performance-facts table td:last-child, .performance-facts table--small td:last-child,

.performancefacts table--grid td:last-child { text-align: right;

}

.performance-facts table .blank-cell, .performance-facts table--small .blank-cell,

.performancefacts table--grid .blank-cell { width: 1rem; border-

top: 0;

}

.performance-facts table .thick-row th, .performance-facts table--small .thick-row th,

.performance-facts table--grid .thick-row th,

.performance-facts table .thick-row td,

.performance-facts table--small .thick-row td, .performance- facts table--grid .thick-row td { border-top-width: 5px;

}

.small-info {

font-size: 0.7rem;

}

.performance-facts table--small { borderbottom: 1px solid #999; margin: 0 0

0.5rem 0;

}

.performance-facts table--small thead tr { border- bottom: 1px solid black;

}

.performance-facts table--small td:last-child { text- align: left;

}

.performance-facts table--small th, .performance-facts table--small td { border: 0; padding: 0;

}

.performance-facts table--grid { margin: 0 0 0.5rem 0;

}

.performance-facts table--grid td:last-child { text- align: left;

}

.performance-facts table--grid td:last-child::before { content: "•"; font-weight: bold; margin: 0

0.25rem 0 0;

}

.text-center { text- align: center;

}

.thick-end { border-bottom: 10px solid black;

}

.thin-end { border-bottom: 1px

solid black;

}

</style>

<section class="performance-facts">

<img src="/uploads/{{fname}}" alt={{fname}} class="performance-facts table"> <header class="performance-facts header">

<h1 class="performance-facts title">{{data["foodName"].title()}}</h1>

<p>Portion Size: {{data["serving\_size"]}}</p>

</header>

<table class="performance-facts table">

<thead>

<tr>

<th colspan="3" class="small-info">

Nutrition Information

</th>

</tr>

</thead>

<tbody>

<tr>

<th colspan="2">

<b>Calories</b>

{{data["nutritional\_info"]["calories"]}}

</th>

</tr>

<tr class="thick-row">

<td colspan="3" class="small-info">

<b>% Daily Value\*</b>

</td> </tr>

{% for i in data["nutritional\_info"]["dailyIntakeReference"] %}

<tr>

<th colspan="2">

<b>{{data["nutritional\_info"]["dailyIntakeReference"][i]["label"]}}</b>

({{data["nutritional\_info"]["dailyIntakeReference"][i]["level"]}}) </th>

<td>

<b>{{(data["nutritional\_info"]["dailyIntakeReference"][i]["percent"])|round}}%</b> </td>

</tr>

{% endfor %}

</tbody>

</table>

<p class="small-info">\* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:</p>

<table class="performance-facts table--small small-info">

<thead>

<tr>

<td colspan="2"></td>

<th>Calories:</th>

<th>{{data["nutritional\_info"]["calories"]}}</th> </tr>

</thead>

<tbody>

{% for i in data["nutritional\_info"]["totalNutrients"] %}

<tr>

<th colspan="2">{{data["nutritional\_info"]["totalNutrients"][i]["label"]}}</th> <td>Less than</td>

<td>{{data["nutritional\_info"]["totalNutrients"][i]["quantity"]}}{{data["nutritional\_info"]["totalNutrient s"][i]["unit"]}}</td> </tr>

{% endfor %}

</tbody>

</table>

<p class="small-info"> Calories per gram:

</p>

<p class="small-info text-center">

Fat 9

&bull;

Carbohydrate 4

&bull;

Protein 4

</p>

</section>

</section>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384- KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-

ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384- JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

</body>

</html>

# index.html

<!DOCTYPE html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS --> <link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384- Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<title>Food Calorie Estimation</title>

<style> body { background-color: #f2f7fb }

.mt-100 { margin- top: 10px

}

.card { border- radius: 5px;

-webkit-box-shadow: 0 0 5px 0 rgba(43, 43, 43, .1), 0 11px 6px -7px rgba(43, 43, 43, .1); boxshadow:

0 0 5px 0 rgba(43, 43, 43, .1), 0 11px 6px -7px rgba(43, 43, 43, .1); border: none; margin-

bottom: 30px;

-webkit-transition: all .3s ease-in-out; transition: all .3s ease-in-out

}

.card .card-header { background-color: transparent; border-bottom: none; padding: 20px; position: relative

}

.card .card-header h5:after { content: ""; background- color: #d2d2d2; width: 101px; height: 1px; position: absolute; bottom:

6px; left: 20px

}

.card .card-block { padding: 1.25rem

}

.dropzone.dz-clickable { cursor: pointer

}

.dropzone { min-height: 150px; border: 1px solid rgba(42, 42, 42, 0.05); background: rgba(204, 204, 204, 0.15); padding: 20px; border-radius: 5px; -webkit-box-shadow: inset 0 0 5px 0 rgba(43, 43, 43, 0.1); box- shadow: inset 0 0 5px 0 rgba(43, 43, 43, 0.1)

}

.m-t-20 { margin- top: 20px

}

.btn-primary,

.sweet-alert button.confirm, .wizard>.actions a { background-color: #4099ff; border-color: #4099ff; color: #fff; cursor: pointer;

-webkit-transition: all ease-in .3s; transition: all ease-in .3s

}

.btn { border-radius: 2px; text-transform: capitalize; font-size: 15px; padding:

10px 19px; cursor: pointer

}

</style>

</head>

<body>

<div class="row d-flex justify-content-center mt-100">

<div class="col-md-8">

<div class="card">

<div class="card-header">

<h3>Food Calorie Estimation</h4>

<h6>Estimate live food calories & nutrition information from a single food image</h6>

<a href="https://cal.virajman3.repl.co/demo/2">Example Click Here</a>

</div>

<div class="card-block">

<form action="/result" method = "POST" class="dropzone dz-clickable" enctype = "multipart/form-data">

<input type = "file" name = "file" />

<div class="text-center m-t-20">

<input class="btn btn-primary" type = "submit"/>

</div>

</form>

<br>

<h4>Instructions:</h4>

<dl>

<dt>Limitations</dt>

<dd>- The image size must be under 1024KB.</dd>

<dd>- The image format must be in JPEG, JPG or PNG.</dd>

<dt>Do's</dt>

<dd>- Take pictures from an eye-level perspective.</dd>

<dd>- Take a picture for each food item separately.</dd>

<dd>- Center the food on the picture.</dd>

<dd>- Upload squared images, meaning that height and width are the same.</dd>

<dt>Dont's</dt>

<dd>- Occlusions of other items.</dd>

<dd>- Top or side view images.</dd>

<dd>- Include only a part of the food.</dd>

<dd>- Blurry images.</dd>

<dd>- Images taken on screens or display monitors.</dd>

<dd>- Images that include multiple food items.</dd>

</dl>

<br>

<h4>Example:</h4>

<div class="card-deck">

<div class="card">

<embed type="text/html" src="https://cal.virajman3.repl.co/demo/2" height="1300"> </div> <div class="card">

<embed type="text/html" src="https://cal.virajman3.repl.co/demo/1" height="1300"> </div> </div> </div>

</div>

</div>

</div>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384- KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-

ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384- JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

</body>

</html>

# indexold.html

<form class="file-upload-wrapper" action = "/result" method = "POST" enctype = "multipart/form-data"> <input type = "file" name = "file" />

<input type = "submit"/>

</form>

# Result.html

<!DOCTYPE html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS --> <link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384- Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

<title>Result</title>

</head>

<body>

<style>

@charset "UTF-8";

.image {

width: 250px;

float: left;

margin: 20px;

}

body { font- size: small;

line-height: 1.4;

}

p { margin: 0;

}

.performance-facts { border: 1px solid black; margin: 20px; float: left; width: 320px; padding: 0.5rem;

}

.performance-facts table { border- collapse: collapse;

}

.performance-facts title { font-weight: bold; font- size: 2rem; margin: 0 0

0.25rem 0;

}

.performance-facts header { border-bottom: 10px solid black; padding: 0 0 0.25rem 0; margin:

0 0 0.5rem 0;

}

.performance-facts header p { margin: 0;

}

.performance-facts table, .performance-facts table--small, .performance-facts table--grid { width: 100%;

}

.performance-facts table thead tr th, .performance-facts table--small thead tr th,

.performance-facts table--grid thead tr th,

.performance-facts table thead tr td,

.performance-facts table--small thead tr td, .performance-facts table--grid thead tr td { border: 0;

}

.performance-facts table th, .performance-facts table--small th, .performance-facts table-grid th, .performance-facts table td,

.performance-facts table--small td, .performance-facts table--grid td { font-weight: normal; text-align: left; padding: 0.25rem 0; border- top: 1px solid black; white-space:

nowrap;

}

.performance-facts table td:last-child, .performance-facts table--small td:last-child,

.performancefacts table--grid td:last-child { text-align: right;

}

.performance-facts table .blank-cell, .performance-facts table--small .blank-cell,

.performance-facts table--grid .blank-cell { width: 1rem; border- top: 0;

}

.performance-facts table .thick-row th, .performance-facts table--small .thick-row th,

.performance-facts table--grid .thick-row th,

.performance-facts table .thick-row td,

.performance-facts table--small .thick-row td, .performance- facts table--grid .thick-row td { border-top-width: 5px;

}

.small-info { font- size: 0.7rem;

}

.performance-facts table--small { borderbottom: 1px solid #999; margin: 0 0

0.5rem 0;

}

.performance-facts table--small thead tr { border- bottom: 1px solid black;

}

.performance-facts table--small td:last-child { text- align: left;

}

.performance-facts table--small th, .performance-facts table--small td { border: 0; padding: 0;

}

.performance-facts table--grid { margin: 0 0 0.5rem 0;

}

.performance-facts table--grid td:last-child { text- align: left;

}

.performance-facts table--grid td:last-child::before { content: "•"; font-weight: bold; margin: 0

0.25rem 0 0;

}

.text-center { text- align: center;

}

.thick-end { border-bottom:

10px solid black;

}

.thin-end { border-bottom: 1px solid black;

}

</style>

<section class="performance-facts">

<img src="/uploads/{{fname}}" alt={{fname}} class="performance-facts table">

<header class="performance-facts header">

<h1 class="performance-facts title">{{data["foodName"].title()}}</h1>

<p>Portion Size: {{data["serving\_size"]}}</p>

</header>

<table class="performance-facts table">

<thead>

<tr>

<th colspan="3" class="small-info">

Nutrition Information

</th>

</tr>

</thead>

<tbody>

<tr>

<th colspan="2">

<b>Calories</b>

{{data["nutritional\_info"]["calories"]}}

</th>

</tr>

<tr class="thick-row">

<td colspan="3" class="small-info">

<b>% Daily Value\*</b>

</td> </tr>

{% for i in data["nutritional\_info"]["dailyIntakeReference"] %}

<tr>

<th colspan="2">

<b>{{data["nutritional\_info"]["dailyIntakeReference"][i]["label"]}}</b>

({{data["nutritional\_info"]["dailyIntakeReference"][i]["level"]}}) </th> <td>

<b>{{(data["nutritional\_info"]["dailyIntakeReference"][i]["percent"])|round}}%</b>

</td>

</tr>

{% endfor %}

</tbody>

</table>

<p class="small-info">\* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:</p>

<table class="performance-facts table--small small-info">

<thead>

<tr>

<td colspan="2"></td>

<th>Calories:</th>

<th>{{data["nutritional\_info"]["calories"]}}</th> </tr>

</thead>

<tbody>

{% for i in data["nutritional\_info"]["totalNutrients"] %}

<tr>

<th colspan="2">{{data["nutritional\_info"]["totalNutrients"][i]["label"]}}</th> <td>Less than</td>

<td>{{data["nutritional\_info"]["totalNutrients"][i]["quantity"]}}{{data["nutritional\_info"]["totalNutrient s"][i]["unit"]}}</td> </tr>

{% endfor %}

</tbody>

</table>

<p class="small-info"> Calories per gram:

</p>

<p class="small-info text-center">

Fat 9

&bull;

Carbohydrate 4

&bull;

Protein 4

</p>

</section>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384- KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-

ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384- JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

</body>

</html>