

HTML Template: 404.html

1. Executive Summary

Defines the structural layout and content for a specific web page view.

2. Code Logic & Functionality

Uses the Jinja2 templating engine. The file allows for dynamic data insertion using `{{ variable }}` syntax and control structures like `{% if %}` loops within standard HTML markup.

3. Key Concepts & Definitions

- **Jinja2:** A modern and designer-friendly templating language for Python.
- **Template Inheritance:** The ability to extend a base layout (`base.html`) to avoid code duplication.
- **DOM:** Document Object Model, the data representation of the objects that comprise the structure and content of a document on the web.

4. Location Details

Path: `templates\404.html` **Type:** .HTML File

5. Source Code Preview (Snippet)

Running typical software analysis on this file:

```
{% extends "base.html" %}

{% block title %}Page Not Found{% endblock %}

{% block content %}
<div class="container py-5 text-center">
  <div class="row justify-content-center">
    <div class="col-md-6">
      <h1 class="display-1 fw-bold text-primary">404</h1>
      <h2 class="mb-4">Page Not Found</h2>
      <p class="lead text-muted mb-5">The page you are looking fo
        or is temporarily unavailable.</p>
      <a href="{{ url_for('index') }}" class="btn btn-primary px-
    </div>
  </div>
</div>
{% endblock %}
```