

# 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 for
                or is temporarily unavailable.</p>
            <a href="{{ url_for('index') }}" class="btn btn-primary px-4 py-2">Go Back</a>
        </div>
    </div>
</div>
{% endblock %}
```