

HTML Template: dashboard.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\admin\dashboard.html **Type:** .HTML File

5. Source Code Preview (Snippet)

Running typical software analysis on this file:

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

{% block title %}Admin Dashboard{% endblock %}

{% block content %}
<div class="container py-5">
    <!-- Header -->
    <div class="d-flex justify-content-between align-items-center mb-5" 
        <div>
            <h1 class="fw-bold font-heading text-primary">Command Cente
            <p class="text-muted">System Overview & Management</p>
        </div>
        <button class="btn btn-primary" data-bs-toggle="modal" data-bs-
            <i class="fas fa-plus me-2"></i> New Activity
        </button>
    </div>

    <!-- Stats Row -->
    <div class="row g-4 mb-5">
        <div class="col-md-4">
```

```

<div class="card shadow-sm border-0 h-100">
    <div class="card-body d-flex align-items-center">
        <div class="rounded-circle bg-primary bg-opacity-10
            <i class="fas fa-calendar-check fa-2x text-prim
        </div>
        <div>
            <h3 class="mb-0 fw-bold">{{ total_bookings }}<
            <small class="text-muted">Total Bookings</small
        </div>
    </div>
</div>
<div class="col-md-4">
    <div class="card shadow-sm border-0 h-100">
        <div class="card-body d-flex align-items-center">
            <div class="rounded-circle bg-success bg-opacity-10
                <i class="fas fa-pound-sign fa-2x text-success"
            </div>
            <div>
                <h3 class="mb-0 fw-bold">£{{ "%.2f" | format(tota
                <small class="text-muted">Total Revenue</small>
            </div>
        </div>
    </div>
</div>
<div class="col-md-4">
    <div class="card shadow-sm border-0 h-100">
        <div class="card-body d-flex align-items-center">
            <div class="rounded-circle bg-warning bg-opacity-10
                <i class="fas fa-users fa-2x text-warning"></i>
            </div>
            <div>
                <h3 class="mb-0 fw-bold">{{ activities.length }<
                <small class="text-muted">Active Activities</sm
            </div>
        </div>
    </div>
</div>
</div>

<!-- Activity Management -->
<div class="card shadow-sm border-0 mb-5">
    <div class="card-header bg-white border-bottom py-3">
        <h5 class="mb-0 text-primary"><i class="fas fa-tasks me-2">
    </div>
    <div class="card-body p-0">
        <div class="table-responsive">
            <table class="table table-hover mb-0">
                <thead class="table-light">
                    <tr>
                        <th>Name</th>
                        <th>Schedule</th>
                        <th>Price</th>

```

```

        <th>Capacity</th>
        <th>Actions</th>
    </tr>
</thead>
<tbody>
    {# for activity in activities %}
    <tr>
        <td class="align-middle fw-bold">{{ activity.id }}</td>
        <td class="align-middle">
            <span class="badge bg-secondary">{{ activity.type }}</span>
            <small class="d-block text-muted">{{ activity.description }}</small>
        </td>
        <td class="align-middle">{{ activity.capacity }}%</td>
        <td class="align-middle">
            <span
                class="badge bg-{{ 'danger' if activity.is_booked else 'success' }}"
                data-id="{{ activity.id }}"
                data-name="{{ activity.name }}"
                data-price="{{ activity.price }}"
                data-start="{{ activity.start_time }}"
                data-tutor="{{ activity.tutor_id if activity.tutor_id else 'None' }}"
            ><i class="fas fa-users"></i></span>
            <button class="btn btn-sm btn-outline-primary"
                data-bs-toggle="modal"
                data-bs-target="#viewBookingsModal"
                title="View Bookings">
                <i class="fas fa-eye"></i>
            </button>
            <button class="btn btn-sm btn-outline-primary"
                data-bs-toggle="modal"
                data-bs-target="#editActivityModal"
                data-id="{{ activity.id }}"
                data-name="{{ activity.name }}"
                data-price="{{ activity.price }}"
                data-start="{{ activity.start_time }}"
                data-tutor="{{ activity.tutor_id if activity.tutor_id else 'None' }}"
            ><i class="fas fa-edit"></i></button>
            <button class="btn btn-sm btn-outline-danger"
                data-bs-target="#deleteModal"
                data-url="{{ url_for('delete_activity', id=activity.id) }}"
                data-name="{{ activity.name }}"
                data-price="{{ activity.price }}"
                data-start="{{ activity.start_time }}"
                data-tutor="{{ activity.tutor_id if activity.tutor_id else 'None' }}"
            ><i class="fas fa-trash"></i></button>
        </td>
    </tr>
    {# endfor %}
</tbody>
</table>
</div>
</div>
</div>

<!-- Tutor Management --&gt;
&lt;div class="card shadow-sm border-0 mb-5"&gt;
    &lt;div class="card-header bg-white border-bottom py-3 d-flex justify-content-between"&gt;
        &lt;h5 class="mb-0 text-primary"&gt;&lt;i class="fas fa-chalkboard-teacher"&gt;&lt;/i&gt; {{ tutor.name }}&lt;/h5&gt;
        &lt;button class="btn btn-sm btn-primary" data-bs-toggle="modal" data-bs-target="#addStudentModal"&gt;&lt;i class="fas fa-plus"&gt;&lt;/i&gt; Add Student&lt;/button&gt;
    &lt;/div&gt;
    &lt;div class="card-body p-3"&gt;
        &lt;table class="table border-top border-bottom border-collapse"&gt;
            &lt;thead&gt;
                &lt;tr&gt;
                    &lt;th&gt;Student Name&lt;/th&gt;
                    &lt;th&gt;Grade Level&lt;/th&gt;
                    &lt;th&gt;Subject&lt;/th&gt;
                    &lt;th&gt;Actions&lt;/th&gt;
                &lt;/tr&gt;
            &lt;/thead&gt;
            &lt;tbody&gt;
                {# for student in students %}
                &lt;tr&gt;
                    &lt;td&gt;{{ student.name }}&lt;/td&gt;
                    &lt;td&gt;{{ student.grade_level }}&lt;/td&gt;
                    &lt;td&gt;{{ student.subject }}&lt;/td&gt;
                    &lt;td&gt;
                        &lt;button class="btn btn-sm btn-primary" data-bs-toggle="modal" data-bs-target="#editStudentModal" data-student-id="{{ student.id }}"><i class="fas fa-edit"></i></button>
                        <button class="btn btn-sm btn-primary" data-bs-toggle="modal" data-bs-target="#deleteStudentModal" data-student-id="{{ student.id }}"><i class="fas fa-trash"></i></button>
                    </td>
                </tr>
                {# endfor %}
            </tbody>
        </table>
    </div>
</div>

```

```
        <i class="fas fa-plus me-1"></i> Add Tutor
    </button>
</div>
<div class="card-body p-0">
    <div class="table-responsive">
        <table class="table table-hover mb-0">
            <thead class="table-light">
                <tr>
                    <th>Name</th>
                    <th>Specialization</th>
                    <th>Email</th>
                    <th>Assigned Activities</th>
                    <th>Actions</th>
                </tr>
            </thead>
            <tbody>
                {%
                    for tutor in tutors %
                }
                <tr>
                    <td class="align-middle fw-bold">{{ tutor.f
                    <td class="align-middle">{{ tutor.specializ
                    <td class="align-middle">{{ tutor.email }}<
                    <td class="align-middle">
                        <span class="badge bg-info rounded-pill
                    </td>
                </tr>
            </tbody>
        </table>
    </div>
</div>
```

... [Code Truncated for Documentation Readability - See Source File for