

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\dashboard.html` Type: .HTML File

5. Source Code Preview (Snippet)

Running typical software analysis on this file:

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

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

{% block content %}
<div class="container py-5">
    <!-- Welcome Section -->
    <div class="row mb-5">
        <div class="col-12">
            <div
                class="card bg-primary text-white p-4 d-flex flex-row j
                <div>
                    <h2 class="mb-0 font-heading">Welcome back, {{ pare
                    <p class="mb-0 opacity-75">{{ now.strftime('%A, %B
                </div>
                <button class="btn btn-light text-primary fw-bold" data
                    data-bs-target="#addChildModal">
                    <i class="fas fa-plus me-2"></i> Add Child
                </button>
            </div>
        </div>
    </div>
</div>
```

```

        </div>
    </div>

<div class="row g-4">
    <!-- Sidebar: Children & Bookings -->
    <div class="col-lg-4">
        <!-- My Children -->
        <div class="card mb-4 shadow-sm">
            <div class="card-header bg-white border-bottom">
                <h5 class="mb-0 text-primary"><i class="fas fa-child"></i> My Children</h5>
            </div>
            {% if children %}
            <div class="list-group list-group-flush">
                {% for child in children %}
                <div class="list-group-item d-flex justify-content-between">
                    <div>
                        <h6 class="mb-0 fw-bold">{{ child.name }}</h6>
                        <small class="text-muted">Year {{ child.grade }}</small>
                    </div>
                    <span class="badge bg-secondary rounded-pill">{{ child.age }}</span>
                </div>
                {% endfor %}
            </div>
            {% else %}
            <div class="card-body text-center text-muted">
                <p class="mb-0">No children added yet.</p>
            </div>
            {% endif %}
        </div>

        <!-- Upcoming Bookings -->
        <div class="card shadow-sm">
            <div class="card-header bg-white border-bottom">
                <h5 class="mb-0 text-primary"><i class="fas fa-calendar-alt"></i> Upcoming Bookings</h5>
            </div>
            {% if bookings %}
            <div class="list-group list-group-flush">
                {% for booking in bookings %}
                <div class="list-group-item">
                    <div class="d-flex justify-content-between">
                        <h6 class="mb-1 fw-bold">{{ booking.activity }}</h6>
                        <span class="badge bg-success">Confirmed</span>
                    </div>
                    <p class="mb-1 small text-muted">Child: {{ booking.child }}</p>
                    <div class="d-flex justify-content-between align-items-center">
                        <small class="text-muted"><i class="far fa-clock"></i> {{ booking.booking_date.strftime('%d %b %Y') }}</small>
                        <div>
                            <a href="{{ url_for('generate_invoice', booking_id=booking.id) }" class="btn btn-sm btn-outline-primary"><i class="fas fa-file-invoice"></i> Generate Invoice</a>
                            <form action="{{ url_for('cancel_booking', booking_id=booking.id) }}" method="post" style="display: inline-block; margin-left: 10px;"><button type="submit" class="btn btn-sm btn-outline-danger"><i class="fas fa-times"></i> Cancel Booking</button>
                        </div>
                    </div>
                </div>
                {% endfor %}
            </div>
            {% endif %}
        </div>
    </div>
</div>

```

```

        style="display:inline;"  

        onsubmit="return confirm('Are you s  

<input type="hidden" name="csrf_tok  

<button type="submit" class="btn bt  

            title="Cancel">  

            <i class="fas fa-times"></i>  

        </button>  

    </form>  

</div>  

</div>  

<% endfor %>  

</div>  

{ % else %}  

<div class="card-body text-center text-muted">  

    <p class="mb-0">No active bookings.</p>  

</div>  

{ % endif %}  

</div>  

</div>
<!-- Main Content: Available Activities --&gt;
&lt;div class="col-lg-8"&gt;
    &lt;h3 class="mb-4 font-heading text-primary"&gt;Available Activities&lt;/h3&gt;
    &lt;div class="row g-4"&gt;
        { % for activity in activities %}&gt;
        &lt;div class="col-md-6"&gt;
            &lt;div class="card h-100 shadow-sm border-0"&gt;
                &lt;div class="card-header bg-white border-0 pt-4"&gt;
                    &lt;div class="d-flex justify-content-between"&gt;
                        &lt;span class="badge bg-secondary"&gt;{{ activity.tutor }}&lt;/span&gt;
                        &lt;h4 class="text-primary fw-bold mb-0"&gt;{{ activity.name }}&lt;/h4&gt;
                    &lt;/div&gt;
                &lt;/div&gt;
                &lt;div class="card-body px-4"&gt;
                    &lt;h5 class="card-title fw-bold mt-2"&gt;{{ activity.type }}&lt;/h5&gt;
                    &lt;p class="text-muted small mb-2"&gt;
                        &lt;i class="far fa-clock me-1"&gt;&lt;/i&gt; {{ activity.duration }} hours
                        &lt;span class="mx-2"&gt;|&lt;/span&gt;
                        &lt;i class="fas fa-chalkboard-teacher me-1"&gt;&lt;/i&gt;
                        {{ activity.tutor }} {{ activity.tutor ? 'is' : 'is not' }} assigned
                    &lt;/p&gt;
                    &lt;p class="card-text text-muted"&gt;{{ activity.description }}&lt;/p&gt;
                &lt;/div&gt;
            &lt;/div&gt;
        &lt;/div&gt;
        { % set booked = activity.bookings | length %}
        { % set available = activity.max_cap - booked %}
        { % set percent = (booked / activity.max_cap) * 100 %}
        { % if percent &gt;= 100 %}&gt;
            &lt;span class="badge bg-danger"&gt;
                &lt;i class="fas fa-exclamation-circle"&gt;&lt;/i&gt;
            &lt;/span&gt;
        { % endif %}&gt;
        &lt;div class="mt-3"&gt;
            &lt;div class="d-flex justify-content-between"&gt;
                { % if available &gt; 0 %}&gt;
                    &lt;div class="flex-grow-1"&gt;
                        &lt;div class="progress"&gt;
                            &lt;div class="progress-bar bg-primary" style="width: {{ percent }}%;&gt;&lt;/div&gt;
                        &lt;/div&gt;
                        {{ percent }}%
                    &lt;/div&gt;
                    &lt;div class="flex-grow-1 text-end"&gt;
                        &lt;small&gt;{{ activity.max_cap }} spots available&lt;/small&gt;
                    &lt;/div&gt;
                { % else %}&gt;
                    &lt;div class="flex-grow-1 text-end"&gt;
                        &lt;small&gt;{{ activity.max_cap }} spots available&lt;/small&gt;
                    &lt;/div&gt;
                { % endif %}&gt;
            &lt;/div&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/div&gt;
</pre>

```

```
</span>
{%
  elif available <= 3 %} <span cla
    <i class="fas fa-hourglass-half
  </span>
{%
  else %}
<span class="badge bg-success">
  <i class="fas fa-check-circ
</span>
{%
  endif %}

<small class="text-muted">
  {{ booked }} / {{ activity.
</small>
</div>
<div class="progress" style="height: 8p
  <div class="progress-bar bg-{{ 'dan
    style="width: {{ percent }}%" r
    aria-valuemin="0" aria-valuemax
  </div>
</div>

<!-- Tutor Profile Link -->
{%
  if activity.tutor %}
<div class="mt-3 pt-3 border-top">

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