

COMP 8347: Internet Applications and Distributed Systems
SUMMER 2021 LAB #7

PART 1: Use template inheritance

1. **Directory for static files.** Create a new dir *myapp/static*. Inside *myapp /static* create a new dir called *myapp*. This is where your static files (e.g. css style sheets) will reside.

- a. Create a new file *style.css* in dir *mysiteS21/ myapp /static/ myapp*
- b. *style.css* should define default **background color**, default **text color** and default **font size, color, style, position** for **<h1>** tags. Also define the following class:

```
.hbar1 {
    display: inline;
    margin: 15px;
}
```

In addition you can define other optional styles for other elements.

2. **base.html.**

- a. Create a new file *base.html* in dir *mysiteS21/myapp/templates/myapp*
- b. Edit *base.html* as follows:

```
<!DOCTYPE html>
{% load static %}
<html>
    <head>
        <link rel="stylesheet" type="text/css" href="{% static 'myapp/style1.css' %}"
    />
        <title>E-Learning WebApp - {% block title %}Welcome!{% endblock %}</title>
    </head>
    <body>
        <div>
            <h1>{% block myhdg %}Hello User {% endblock %}</h1>
            {% block body_block %}*** {% endblock %}
        </div>
        <hr />
        <div>
            <ul>
                <li class="hbar1"><a href="/myapp/about/">Find out about this
site</a></li>
                <li class="hbar1"><a href = "{% url 'myapp:index' %}">Click here to
return to main page</a><br/></li>
            </ul>
        </div>
    </body>
</html>
```

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3. **index.html**.

a. Create *index.html* (in the same dir as *index0.html*) and enter the following:

```
{% extends 'myapp/base.html' %}

{% block body_block %}
{% endblock %}
```

c. Inside the *body_block* block, include the contents within **<body>** tags of your previous *index0.html* file. Change the rendered template in the index view to *index.html*.

d. Go to url for your app and view the main page.

4. **Challenge question**: Update *index.html* so that you can click on the *name* for a listed *topic* to go to the detail page for that *topic*.

PART 2: Update child templates

1. Remove duplicate links (to main page and about page) from *index.html*.
2. Update *index.html* so that *myhdg* block will say **Hello <your_name>** (instead of Hello User)
3. Create *about.html* to use the *base template* and override the *title* block to say 'eLearning - APP About page'. Add suitable content to the *body_block*.
4. Change the rendered template in the *about* view from *about0.html* to *about.html*.
5. Create *detail.html* to use the *base template* and add suitable content to the *body_block* so that it displays the same information about the selected book as before.
6. Change the rendered template in the *detail* view from *detail0.html* to *detail.html*. Remove any duplicate links to index page and about page, if necessary.