Master of Applied Computing
COMP-8347 – Winter 2023
Internet Applications and Distributed Systems

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Lab 7 - Template Inheritance

Marks: 2

Submission: On BrightSpace, submit the base template, all child templates, style.css, and views.py.

1. **Directory for static files**. Create a new dir *static* inside *myappF23*. Inside *myappF23/static* create another 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 *myappF23/static/myappF23*

  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;
}
```

You can define other styles for other elements as you see appropriate.

2. *base.html*.

  a. Create a new file *base.html* in dir *myappF23/templates/myappF23*

  b. Edit *base.html* as follows:

```
<!DOCTYPE html>
{% load staticfiles %}
<html>
    <head>
        <link rel="stylesheet" type="text/css" href="{% static 'myappF23/style.css'
    %}" />
        <title>E-Learning WebApp - {% block title %}Welcome!{% endblock %}</title>
    </head>
    <body>
        <div>
            <h1>{% block myhdg %}Hello User {% endblock %}</h1>
            {% block body_block %}*** {% endblock %}
```

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```
        </div>
        <hr />
        <div>
            <ul>
                <li class="hbar1"><a href="/myappF23/about/">Find out about our E-
    Learning site</a></li>
                <li class="hbar1"><a href = "{% url 'myappF23:index' %}">Click here
    to return to main page</a><br/></li>
            </ul>
        </div>
     </body>
</html>
```

3. *index.html*.

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

```
{% extends 'myappF23/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. Remove duplicate links for main page and about page from *index.html*. Update *index.html* so that *myhdg* block will say **Hello <your_name>** (instead of Hello User)

5. In a similar way, create 2 more templates, *about.html* and *detail.html,* to use the base template and override the *body_block* and *title* blocks.

6. Change the rendered templates in the corresponding about and detail views.