

PART 1: Create basic templates

1. **Directory for your templates.** Check if a dir named *templates* has been created inside your *myapp* dir. If it does not exist, create a new dir *myapp/templates*. Inside *myapp/templates* create a new dir called *myapp* to store your template files. So, your templates will be in *mysiteS21/myapp/templates/myapp*.

2. Update index view.

a. Import *render* by adding following line to *views.py*.

```
from django.shortcuts import render # it may be already in your views.py file
```

b. Update *index* view in *views.py* as follows:

```
def index(request):
    top_list = Topic.objects.all().order_by('id')[:10]
    return render(request, 'myapp/index0.html', {'top_list': top_list})
```

c. Are you passing any extra context variables to the template? If so, what are you passing?

3. index0.html.

a. Create a new file *index0.html* in dir *mysiteS21/myapp/templates/myapp*

b. Edit *index0.html* as follows:

```
<!DOCTYPE html>
<html>
<head lang="en">
    <meta charset="UTF-8">
    <title>E-Learning WebApp!</title>
</head>
<body>
    {% if top_list %}
        <h2>List of Topics</h2>
        <ol>
            {% for top in top_list %}
                <li> {{ top.name }} </li>
            {% endfor %}
        </ol>
    {% else %}
        <strong>There are no available topics!</strong>
    {% endif %}
</body>
</html>
```

COMP 8347: Internet Applications and Distributed Systems
SUMMER 2021 LAB #6

- c. Go to the url for your app to view your page.
- d. At the bottom of the *index0* page, add a link to go to the ‘About’ page by adding the following line:
`<p>About page</p>`
- e. Change the above hardcoded url to the about page so that it uses **url namespace**.

4. about0.html.

- a. Create a new file *about0.html* in dir *mysiteS21/myapp/templates/myapp*. It should display the text for the about page.
- b. Add a link in *about0.html* to go back to the main (*index0.html*) page. Try using both **hardcoded url** and **url namespace** for this.
- c. Update the about view function in *views.py* so that it uses the *about0.html* template.
- d. Do you need to pass any extra context variables to the template? YES NO
If yes, what variable(s) are you passing?

5. detail0.html.

- a. Create a new file *detail0.html* in dir *mysiteS21/myapp/templates/myapp*
 - *detail0.html* will be rendered if you go to the url: **myapp/<topic_id>**
 - It should display the *name*, and *length* for the topic whose **id= topic_id**. It should also display the list of courses for that topic.
 - The *detail0* page should also have a link to go back to the main (*index0.html*) page (as in *about0.html*). Use **url namespace** for this.
- b. Update the detail view function in *views.py* so that it uses the *detail0.html* template.
- c. Do you need to pass any extra context variables to the template? YES NO
If yes, what variable(s) are you passing?