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CS3300

GE04 professional document

Since this was my first-time using bootstrap on Django, understanding the concept behind it was a bit more difficult than i imagined. I have never worked with html or anything like that, but once I got to understand how Django and bootstrap worked together, it made it a lot more sense.

GE04 helped me understand a lot of the Django MVT in many ways. I found it interesting how I can have the html template set up, but without the proper functions in views.py and the correct path in urls.py, the web pages were not working. For example, i began each of the pages with the templates first. By including:

```
{% extends "portfolio_app/base_template.html" %}
```

I do not need to set up each of the pages, and they all inherited all the features from the base template.

Inside of the block content, I can add whatever information I needed for that page. For example, in my portfolio_detail.html,

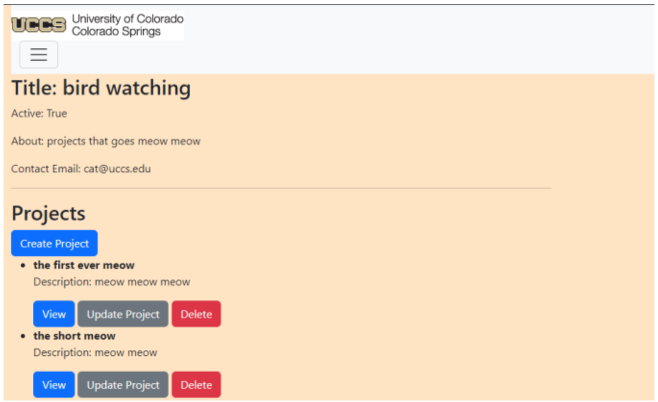
```
<h2>Title: {{ portfolio.title }}</h2>
<p>Active: {{ portfolio.is_active }}</p>
<p>About: {{ portfolio.about }}</p>
<p>Contact Email: {{ portfolio.contact_email }}</p>
```

By incorporating the double squiggly lines, I can call the objects from either portfolio, project, or students to be used without hard coding the information.

Next thing that had to be sure was updating the views.py correctly. For the same html template portfolio_detail.html, I used the following function in the views.py:

```
def portfolio_detail(request, pk):
    portfolio = get_object_or_404(Portfolio, pk=pk)
    # Fetch related projects
    projects = portfolio.project_set.all()
    return render(request, 'portfolio_app/portfolio_detail.html', {'portfolio':
portfolio, 'projects': projects})
```

To break it down, I used get_object_or_404 function to get the data of the portfolio. Projects were called with portfolio.project_set.all(), and with the request to the portfolio_detail.html, it was able to render all the information.



Title: bird watching

Active: True

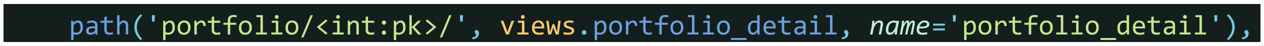
About: projects that goes meow meow

Contact Email: cat@uccs.edu

Projects

- **the first ever meow**
  Description: meow meow meow
- **the short meow**
  Description: meow meow

Last thing that needed to be sure for all the new templates were the correct url patterns in the urls.py. I did struggle with this part for a while and still unsure of some of the terms I had to use to make things work. For the portfolio details, here is my corresponding url pattern:



```
    path('portfolio/<int:pk>/', views.portfolio_detail, name='portfolio_detail'),
```

In this snippet, views.portfolio_detail was called to bring the function from above to correspond with the URL pattern.

GE04 was full of exercises utilizing the Django MVT model. After creating so many different templates and making them all work together with view and URL, I now feel more confident in working with this model.

Source:

How to pass pk

https://stackoverflow.com/questions/54277779/how-to-pass-pk-argument-from-url-into-view-in-django

MVT model (lecture 13)

https://docs.google.com/presentation/d/1ngKWiZRgmEQbmWsCEbcsYLXxFi4oynOalIA4CjFFghE/edit

Bootstrap and web design (lecture 13 01) https://docs.google.com/presentation/d/1p31sJEdBrDTwhLbulzzXHV87uqtOeqmZ/edit#slide=id.p1