

# Announcements

- Checkpoint on Proj3 due Wednesday night (pushed back one day)
- Set up user ID Django database, Web sites for user ID entry





#### Django templates

- □ A variable is inside {{ }}
  {{ message }}
- Attributes of objects via the usual dot notation,
   eg. choice.choice\_text or choice.votes

#### More templates

- Programming constructs inside {% %}
   {% if message %} this means if message is not empty.
- $\hfill\square$  Block ends with {% endif %}
- □ Can have {% if...%}...{% else %}...{% endif %}
- For loop

{% for choice in choices %}...{% endfor %}

# Fill in data for template in views.py

def detail(request):

```
p = Poll.objects.get(id=1)
```

'message': "" }

return render(request, 'newpolls/detail.html', context)

```
    context is a dictionary where keys are template
variable names and whose values can be constants or
items from database
```

# GET vs POST HTTP request

<form action="/django/newpolls/vote" method="get">

- Recall these are two ways to send form data to the server. GET puts it into the URL; POST puts it in the body of the HTTP request.
- □ Tutorial uses POST, but GET is visible.
- $\hfill\square$  Produces URL such as:

pc110.cs.ucdavis.edu:10000/django/newpolls/vote?choice=1

#### Template for reporting votes

```
<h1>{{ question }}</h1>
```

```
{% for choice in choices %}
```

{{ choice.choice\_text }} got {{choice.votes}} votes.
{% endfor %}

<a href="/django/newpolls/detail">Return to poll</a>



# Do something with the vote

#### def votes(request):

- p = Poll.objects.get(id=1)
- try:
- selected\_choice = p.choice\_set.get(id=request.GET['choice'])
- Why put it in a try-except construct?

# Do something with the vote

- def votes(request):
  - p = Poll.objects.get(id=1)
    try:

selected\_choice = p.choice\_set.get(id=request.GET['choice'])

- □ Why put it in a try-except construct?
- Because the request might not be coming from the poll but from a malicious or random source. So the code in the GET string might not correspond to a real choice.





# Try reloading vote count page

- What happens and why?
- $\square$  How to fix next time.

#### Permissions tip

- Once you get into Django, you should get informative error messages.
- □ If you get 505 server errors, chances are something does not have the right permission.
- □ Try going to /var/www/yourname and:

chmod 770 – R mysite

This sets permission on everything in mysite to rwxrwx---