

Announcements

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





- $\hfill\square$ Django's Model class represents database table
- $\hfill\square$ We get data into the table by creating objects
- Your assignment will involve filling in rows of user id table
- Last time, we were getting data into and out of tables using commands in the interactive shell, but you should use the same commands in your code
- $\hfill\square$ These are all methods of Model







The url pattern specification

url(r'^detail/?\$', views.detail, name='detail')

- Begins with a regular expression that matches the url.
- The url pattern we added in /mysite/mysite gets us to /django/newpolls/ (including the slash!)

The url pattern specification

url(r'^detail/?\$', views.detail, name='detail')

 Regular expression means "has to start at the beginning, see string "detail", may or may not have a slash, then end"

Views

- These are the functions that get run when the HTTP request for that URL comes in
- One job is to produce the output string that gets returned in the HTTP response, usually HTML (what else might it be?)
- Might do something else as well, eg. put data into database

Stub views

□ Add file /mysite/newsite/views.html:

from django.http import HttpResponse

def detail(request):
 return HttpResponse("This is where the poll will be.")

def vote(request):

return HttpResponse("This is where you go after voting.")

Templates

- □ Allow you to put "variables" into HTML pages
- \Box Example null.html:
 - {{ message }}
- Say variable message = "Hello world". Then this resulting Web page is:

Hello world

Template directory

- Put all templates into directory mysite/newpolls/template/newpolls/
- Django knows to look for them there
- Use the Django render function to put variables into the template.
- It takes three inputs: request (ignore for now), a template, and a dictionary giving the values of all the variables.

Using the template in views.py

from django.shortcuts import render from newpolls.models import Poll, Choice

def details(request):

p = Poll.objects.get(id=2)
context = {'message': "The poll will go here" }
return render(request, 'newpolls/null.html', context)

def votes(request):

context = {'message': "You get here after voting."}
return render(request, 'newpolls/null.html', context)