Django 2: views and templates



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About Us



meetup: http://www.meetup.com/PyLadies-BCN/

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What we won't see today:

- Django admin
- Forms

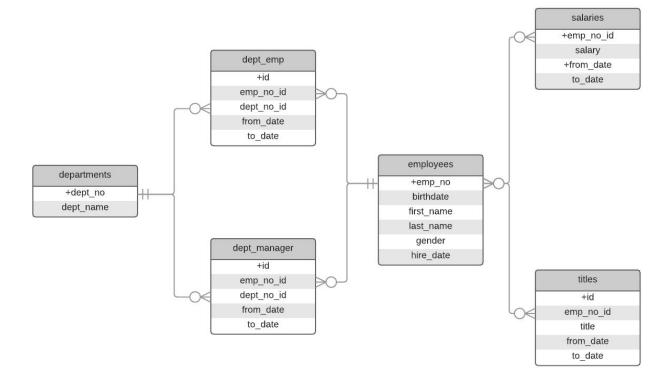
Summary of last session



- Django models + schema overview
- Instructions to get up to date
 - in a temporary folder clone django1 repo
 - copy the django_models folder to the stack folder
 - python manage.py makemigrations and migrate
 - Import data to database
 - folder 2, unzip and run mysql -u root <
 employees personalized.sql
- Now you can start

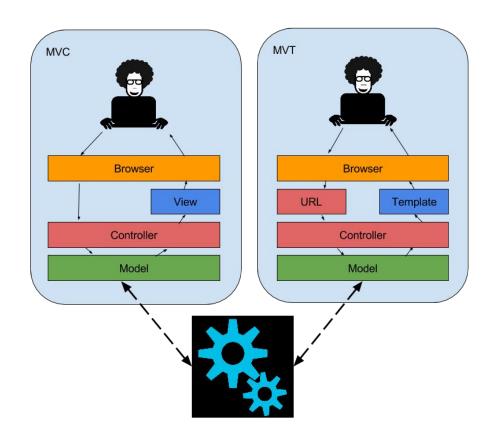






Model - view - template





Django URLs



```
from django.conf.urls import include, url
from django.contrib import admin
urlpatterns = [
   # Examples:
    # url(r'^$', 'mysite.views.home', name='home'),
    # url(r'^blog/', include('blog.urls')),
```

Django views



URL → request → [black box / dark magic] → template + data (model transformation)

EXERCISES TO DO:

- copy PyLadies url.py into django_models
- modify both files. PyLadies url has to include django_models url. django_models url has to be a
 pattern with a list of url(r'^SOMETHING\$', 'view_function_name', [{dict of other elements},
 name='pet_name']),
- the first element is a regular expression. The second is the view who has to handle the request, the last 2 are optional. Extra data values like extra parameters, pet names, etc.

Django templates



```
<div>
   <h1><a href="/">Django Girls Blog</a></h1>
</div>
{% for post in posts %}
   <div>
       ppublished: {{ post.published date }}
       <h1><a href="">{{ post.title }}</a></h1>
       {{ post.text|linebreaks }}
   </div>
{% endfor %}
```



HTML & CSS (Bootstrap)



before after



© □ 127.0.0.1:8000

Django Girls Blog

published: June 30, 2014, 10:58 p.m.

My second post

Vestibulum id ligula porta felis euismod semper. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas faucibus mollis interdum. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi leo risus, porta ac consectetur ac, vestibulum at eros. Sed posuere consectetur est at lobortis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras mattis consectetur purus sit amet fermentum.

Boostrap magic!!





Bootstrap is one of the most popular HTML and CSS frameworks for developing beautiful websites: http://getbootstrap.com/

```
{% load staticfiles %}
                                                                                                    include bootstrap in your
                                                                                                      project with two lines
<html>
   <head>
       <title>Django Girls blog</title>
       <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
       <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap-theme.min.css">
       <link rel="stylesheet" href="{% static 'css/blog.css' %}">
   </head>
                                                                                     add your own css file
   <body>
       <div>
                                                                                    h1 a {
            <h1><a href="/">Django Girls Blog</a></h1>
                                                                                         color: #FCA205;
       </div>
                                                                   css selector
                                                                                         font-family: 'Lobster';
       {% for post in posts %}
       . . .
```

What is next?



Django Girls Tutorial: http://tutorial.djangogirls.org/en/index.html

Django Girls Barcelona: https://djangogirls.org/barcelona/



Thanks to Django Girls for the great tutorial, from where we took great part of the material of the two Django workshops.



Keep practicing and having fun

Did you enjoy it?

pyladies

