

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:

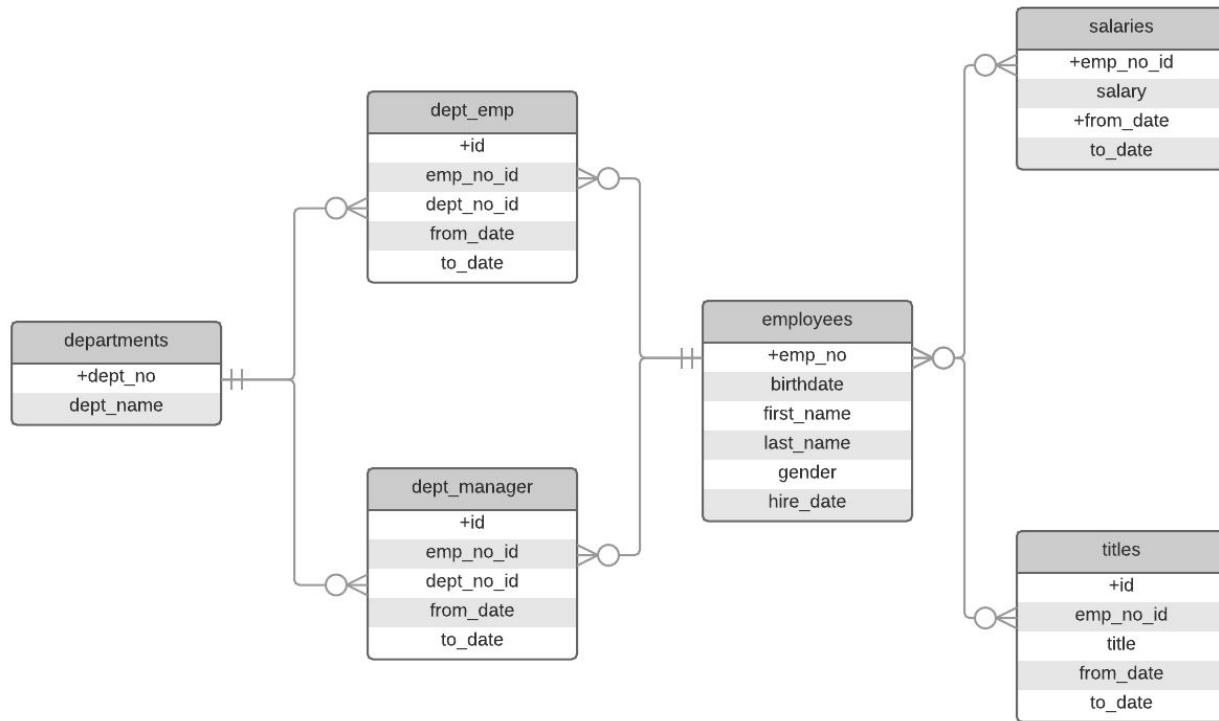
- Django admin
- Forms

Summary of last session

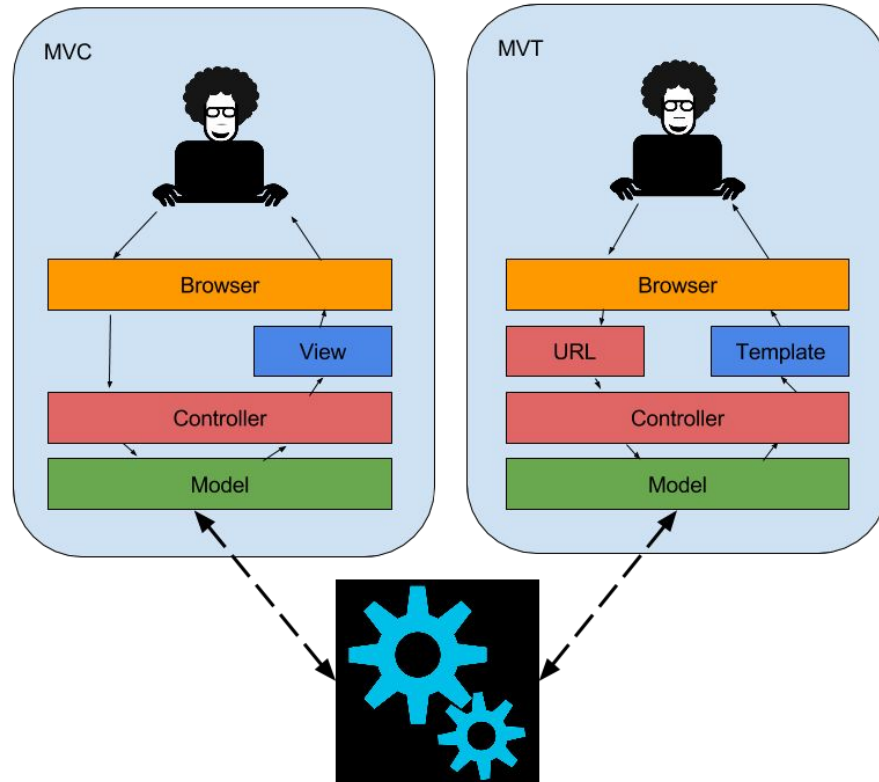


- Django models + schema overview
- Instructions to get up to date
 - in a temporary folder clone django1 repo
 - copy the django_models folder to the stack folder
 - python manage.py makemigrations and migrate
 - Import data to database
 - folder 2, unzip and run `mysql -u root < employees_personalized.sql`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

Schema overview



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>

        <p>published: {{ post.published_date }}</p>

        <h1><a href="">{{ post.title }}</a></h1>

        <p>{{ post.text|linebreaks }}</p>

    </div>

{% endfor %}
```



HTML & CSS (Bootstrap)



before



after



Bootstrap magic!!

HTML & CSS (Bootstrap)



Bootstrap is one of the most popular HTML and CSS frameworks for developing beautiful websites:

<http://getbootstrap.com/>

```
{% load staticfiles %}
```

```
<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>
```

```
  <body>
```

```
    <div>
```

```
      <h1><a href="/">Django Girls Blog</a></h1>
```

```
    </div>
```

```
    {% for post in posts %}
```

```
    ...
```

include bootstrap in your
project with two lines

add your own css file

css selector

```
h1 a {  
  color: #FCA205;  
  font-family: 'Lobster';  
}
```

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.



THANKS!!

Keep practicing and having fun

Did you enjoy it?

pyladies