

Защищено:
Гапанюк Ю.Е.

"__" _____ 2016 г.

Демонстрация ЛР:
Гапанюк Ю.Е.

"__" _____ 2016 г.

**Отчет по лабораторной работе № 5 по курсу
Разработка интернет приложений**

**"Лабораторная работа №5.
Шаблонизация."**

ИСПОЛНИТЕЛЬ:

студент группы ИУ5-52

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(подпись)

"__" _____ 2016 г.

Задание

В этой ЛР вы создадите Django-проект, покажете пользователю статичную страницу, познакомитесь с конструкциями шаблонизаторов: переменные, теги, наследование шаблонов.

- Создать проект
- Реализовать view, в которых генерируются html-страницы
- В шаблонах должны быть использованы рассмотренные конструкции: переменные, вложенные значения, циклы, условия
- Все шаблоны должны расширять базовый шаблон
- Для элементов списка использовать тег include
- По нажатии на элемент списка должна открываться страница информации об элементе
- Для верстки необходимо использовать Bootstrap

Текст программы:

Urls.py:

```
"""Lab_5 URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/1.10/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  url(r'^$', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  url(r'^$', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.conf.urls import url, include
    2. Add a URL to urlpatterns:  url(r'^blog/', include('blog.urls'))
"""
from django.conf.urls import url
from django.contrib import admin

from Lab5_App.views import *

urlpatterns = [
    url(r'^admin/', admin.site.urls),
    url(r'^$', main_page, name='main'),
    url(r'^order/(?P<id>\d+)', OrderView.as_view(), name='order_url'),
]
```

Views.py:

```
from django.http import HttpResponse
from django.shortcuts import render
from django.views.generic import View

data = {'orders': []}
for i in range(1, 10):
    data['orders'].append(
        {
            'id': i,
            'title': '{0}{1}'.format('Sakas №', i),
            'description': 'Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis
natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.
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            'text': 'Lorem ipsum dolor sit amet, consectetur adipiscing
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massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate
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dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus
varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel
augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus.
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amet adipiscing sem neque sed ipsum. Nam quam nunc, blandit vel, luctus
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amet orci eget eros faucibus tincidunt. Duis leo. Sed fringilla mauris sit
amet nibh. Donec sodales sagittis magna. Sed consequat, leo eget bibendum
sodales, augue velit cursus nunc,',
            'date': '10.11.2016'
        }
    )

def main_page(request):
    return render(request, 'orders.html', data)

class OrderView(View):
    def get(self, request, id):
        data_order = {
            'order': data['orders'][int(id)-1]
        }
        return render(request, 'order.html', data_order)
```

base.html:

```
{% load static %}
<!DOCTYPE html>
<html lang="en">
<meta charset="utf-8">
<head>
    <link rel="stylesheet" type="text/css" href="{% static 'bootstrap.css'
%}">
    <link rel="stylesheet" type="text/css" href="{% static 'bootstrap-
theme.css' %}">
```

```

<meta charset="UTF-8">
<title>{% block title %}{% endblock %}</title>
</head>
<body>
  <div class="navbar navbar-inverse">
    <div class="container">
      <div class="navbar-header">
        <a class="navbar-brand" href="{% url 'main' %}">Lab 5</a>
      </div>
    </div>
  </div>
  <div class="container">
    <header>{% block header %}{% endblock %}</header>
    <div>
      {% block body %}{% endblock %}
    </div>
  </div>
  <div class="container">
    <div class="footer">
      <p>©сору Смирнов Александр 2016</p>
    </div>
  </div>
</body>
</html>

```

Order.html:

```

{% extends 'base.html' %}

{% block title %}Заказ № {{ order.id }}{% endblock %}

{% block header %}<h1>{{ order.title }}</h1>{% endblock %}

{% block body %}
  <p>{{ order.text }}</p>
  <p>{{ order.date }}</p>
{% endblock %}

```

Orders.html:

```

{% extends 'base.html' %}

{% block title %}Заказы{% endblock %}

{% block header %}<h1 class="text-left">Заказы</h1>{% endblock %}

{% block body %}
  {% for order in orders %}
    {% if not order.id|divisibleby:2 %}
      <div class="row">
        {% endif %}
        <div class="col-sm-6">
          {% include 'order_element.html' with element=order %}
        </div>
        {% if order.id|divisibleby:2 or forloop.last %}
          </div>
          <hr>
        {% endif %}
      {% empty %}
        <li>Список пуст</li>

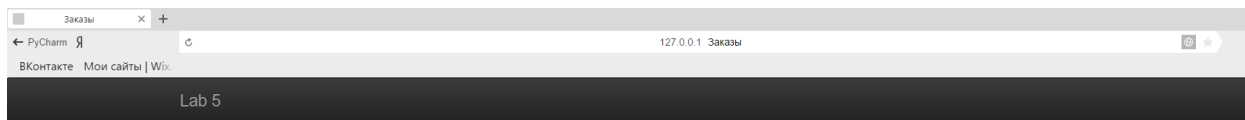
```

```
{% endfor %}
{% endblock %}
```

Order_element.html:

```
<h3><a href="{% url 'order_url' element.id %}">{{ element.title }}</a></h3>
<p>{{ element.description }}</p>
```

Результаты работы программы:



Заказы

Заказ №1

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10.11.2016

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