Московский государственный технический университет им. Н.Э.Баумана

Отчет по лабораторной работе №5 по курсу Разработка интернет приложений

ИСПОЛНИТЕЛЬ:

студент группы ИУ5-52

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(подпись)

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Оглавление

1. Описание задания лабораторной работы.

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

2. Модули.

shop/views.py
```python
from django.shortcuts import render


def index(request):
    return render(request, 'index.html', {'var_name': "Полина"})


def shopping(request):
    data = [
        {
            'name': 'New collection',
            'description': 'Check our new models!'

        },
        {
            'name': "Basics",
            'description': 'Models that are always relevant.'
        },
        {
            'name': 'Sales',
            'description': "The best promotions and the biggest discounts.",
        }
    ]
    return render(request, 'product.html', context={'menu':data} )


def search_new(request):
    data_search_n = [
        {
            'name': 'Product 1',
            'id': '123321',
            'description': 'text about 1',
            'image':'https://img.corsocomo.com/image/cache/data/w/19-422-1602-12/19-422-1602-12-630x630.jpg'
        },
        {
            'name': 'Product 2',
            'id': '122321',
            'description': 'text about product 2',
            'image': 'https://img.corsocomo.com/image/cache/data/w/05-0002-16/05-0002-16-1000x1000.jpg'
        },
        {
            'name': 'Product 3',
            'id': '123521',
```

```python
            'description': 'text about product 3',
            'image': 'https://img.corsocomo.com/image/cache/data/w/17-669-02-57-35/17-
669-02-57-35-630x630.jpg'
        }
    ]
    return render(request, 'search.html', context={'search':data_search_n})


def search_basic(request):
    data_search_b = [
        {
            'name': 'Product 1',
            'id': '127621',
            'description': 'text about 1',
            'image':'http://vsezapolceny.ru/sites/default/files/zhenskaya-domashnyaya-
obuv/funny-mens-plush-slippers-2015-indoor-shoes-house-cute-women-slippers-emoji-shoes-
warm-house-slipper.jpg'
        }
    ]
    return render(request, 'search.html', context={'search':data_search_b})

def search_sale(request):

    return render(request, 'search-sale.html')
```

shop/urls.py

```python
from django.conf.urls import url

from . import views

urlpatterns = [
    url(r'^$', views.index, name='index'),
    url(r'^shop/', views.shopping, name='shopping'),
    url(r'^search-new/', views.search_new, name='search_new'),
    url(r'^search-basic/', views.search_basic, name='search_basic'),
    url(r'^search-sale/', views.search_sale, name='search_sale')
]
```

urls.py

```python
"""mysite 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 include, url
from django.conf.urls.static import static
from django.conf import settings
from django.contrib import admin

urlpatterns = [
    url(r'^admin/', admin.site.urls),
    url(r'', include('shop.urls')),
    url(r'^shop/', include('shop.urls')),
```

```python
    url(r'^search-new/', include('shop.urls')),
    url(r'^search-basic/', include('shop.urls')),
    url(r'^search-sale/', include('shop.urls')),
] + static(settings.STATIC_URL, document_root=settings.STATIC_ROOT)
```

Шаблоны
base.html

```html
{% load staticfiles %}

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>{% block title %}{% endblock %}</title>
    <link rel="stylesheet" type="text/css" href="/static/css/bootstrap.css">
    <link href="/static/css/jumbotron-narrow.css" rel="stylesheet">
    <link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet">
    <style>
    body {
        background: url(/static/3.jpg)  no-repeat center center fixed;
        -webkit-background-size: cover;
        -moz-background-size: cover;
        -o-background-size: cover;
        background-size: cover;
    }
        h3 {
            font-family: 'Lobster';
            font-size: xx-large;
        }
  </style>
</head>
<body>
    <div class="container-fluid">
        <style>
            .link1 {
                font-size: 40px;
                color: black;
            }
        </style>
        <div class="text-center">
            <h3><a href="/" class="link1"> Fashion is our profession </a></h3>
        </div>
    </div>
{% block content %}{% endblock %}

</body>
</html>
```

index.html

```html
{% extends 'base.html' %}

{% block title %}Welcome to our shop!{% endblock %}
{% block content %}
    <div class="jumbotron">
        <p class="lead">Dear {{ var_name }}! We are glad to see you in our store. Have
a good shopping! Click on the link below to begin. </p>
        <a href="/shop" class="btn btn-primary" role="button" >Go shopping</a>

    </div>
{% endblock %}
```

product.html

```
{% extends 'base.html' %}

{% block title %}Our products{% endblock %}
{% block content %}
    <div class="row marketing">
        {% for category in menu %}
            <div class="col-lg-4"  >
                <div class="panel panel-default">
                    <div class="panel-body bg-info">
                    {% if category.name == 'Sales' %}
                    <style>
                        .s1 {
                            color: #c12e2a;
                            text-align: center;
                            font-weight: 700;
                        }
                    </style>
                    <h4><p class="s1">{{ category.name }}</p></h4>
                        <div class="caption">
                            <p>{{ category.description }}</p>
                            <div class="s2">
                            <a href="/search-sale" class="btn btn-primary"
role="button">{% include 'search_f.html' with field=category.name %}</a>
                            </div>
                        </div>
                    {% elif category.name != 'Sales' %}
                    <style>
                        .s2 {
                            text-align: center;
                            font-weight: 700;
                        }
                    </style>
                    <h4> <p class="s2">{{ category.name }}</p></h4>
                        <div class="caption">
                            <p>{{ category.description }}</p>
                            <div class="s2">
                                {% if category.name == 'New collection' %}
                                <a href="/search-new" class="btn btn-primary"
role="button">{% include 'search_f.html' with field=category.name %}</a>
                                {% elif category.name != 'New Collection' %}
                                <a href="/search-basic" class="btn btn-primary"
role="button">{% include 'search_f.html' with field=category.name %}</a>
                                {% endif %}

                            </div>
                        </div>
                    {% endif %}
                    </div>
                </div>
            </div>
        {% endfor %}
    </div>
{% endblock %}
```

search.html

```
{% extends 'base.html' %}
{% block title %}Search{% endblock %}
{% block content %}
    <div class="container-fluid">
        <div class="blog-header">
            <h1 class="blog-title col-lg-offset-3"><b>Search results</b></h1>
        </div>
        <div class="row">
```

```html
                <div class="col-lg-8 blog-main">
                    {% for item in search %}
                        <section class="panel panel-search">
                        <div class="panel-heading bg-info">
                            <div class="panel-title">
                                <h4> {{  item.name}}<small> item no:{{ item.id}}</small>
</h4>
                            </div>
                        </div>
                        <div class="panel-body ">
                            <div class="row">
                                <div class="col-lg-4">
                                    <img src="{{ item.image }}" width="100%"/>
                                </div>
                                <div class="col-lg-4">
                                    {{ item.description }}
                                </div>
                            </div>
                        </div>
                    </section>
                    {% endfor %}
                </div>
                <div class="col-lg-3 blog-sidebar">
                    <section class="panel panel-search">
                        <div class="panel-heading bg-info">
                            <div class="panel-title">
                                <h3>Search</h3>
                            </div>
                        </div>
                        <h4><div class="col-lg-offset-1">Filters</div></h4>
                        <ol class="list-unstyled text-center">
                            <li><a href="#">Price low to high</a></li>
                            <li><a href="#">Price high to low</a></li>
                            <li><a href="#">Popularity</a></li>
                        </ol>
                        <div class="panel-body bg-info">
                            <div class="input-group">
                                <form data-key="2af70d95e12e1e4e9344fa7468f8213d00434d93"
action="search" method="get" style="margin-bottom:10px;">
                                    <span class="input-group-btn">
                                        <input type="text" class="form-control"
name="query" placeholder="Enter here" value="" />
                                        <button type="submit" class="btn btn-
default">Find</button>
                                    </span>
                                </form>
                            </div>
                        </div>
                    </section>
                </div>
            </div>
        </div>

{% endblock %}
```

search-sale.html

```html
{% extends 'base.html' %}
{% block title %}Search{% endblock %}
{% block content %}
    <div class="container-fluid">
        <div class="blog-header">
            <h1 class="blog-title col-lg-offset-3"><b>Search results</b></h1>
        </div>
        <div class="row">
            <div class="col-lg-8 blog-main">
```

```html
        <h1 class="blog-title col-lg-offset-4">There are no items:(</h1>
    </div>
    <div class="col-lg-3 blog-sidebar">
        <section class="panel panel-search">
            <div class="panel-heading bg-info">
                <div class="panel-title">
                    <h3>Search</h3>
                </div>
            </div>
            <h4><div class="col-lg-offset-1">Filters</div></h4>
            <ol class="list-unstyled text-center">
                <li><a href="#">Price low to high</a></li>
                <li><a href="#">Price high to low</a></li>
                <li><a href="#">Popularity</a></li>
            </ol>
            <div class="panel-body bg-info">
                <div class="input-group">
                    <form data-key="2af70d95e12e1e4e9344fa7468f8213d00434d93" action="search" method="get" style="margin-bottom:10px;">
                        <span class="input-group-btn">
                            <input type="text" class="form-control" name="query" placeholder="Enter here" value="" />
                            <button type="submit" class="btn btn-default">Find</button>
                        </span>
                    </form>
                </div>
            </div>
        </section>
    </div>
</div>

{% endblock %}
```

search-f.html

```
Find yours in {{ field }}!
```

3. Результаты.

Our products   ×   +

127.0.0.1:8000/shop/   C   Q Поиск

Главная страница Ян...   Сервисы Яндекса   Сервисы Яндекса   Часто посещаемые   Начальная страница   QIP.RU: почта, поиск, ...

Fashion is our profession

New collection	Basics	Sales
Check our new models!	Models that are always relevant.	The best promotions and the biggest discounts.
Find yours in New collection!	Find yours in Basics!	Find yours in Sales!

RU   22:37   15.11.2016

Search   ×   +

127.0.0.1:8000/search-new/   C   Q Поиск

Главная страница Ян...   Сервисы Яндекса   Сервисы Яндекса   Часто посещаемые   Начальная страница   QIP.RU: почта, поиск, ...

Fashion is our profession

Search results

Product 1 item no:123321

text about 1

Search

Filters

Price low to high
Price high to low
Popularity

Enter here   Find

Product 2 item no:122321

text about product 2

RU   22:37   15.11.2016

Fashion is our profession

Search results

Product 1 item no:127621

text about 1

Search

Filters

Price low to high
Price high to low
Popularity

| Enter here | Find |

Fashion is our profession

Search results

There are no items:(

Search

Filters

Price low to high
Price high to low
Popularity

| Enter here | Find |