Урок 3

Работа с файловой системой.

```
f = open('text.txt')
for line in f:
    line
str = f.read()
f.write('blabla')
```

The **shutil** module offers a number of high-level operations on files and collections of files.

```
import shutil
```

```
shutil.rmtree('/folder_name')
```

shutil.**copy('/from', '/to')**
shutil.**copytree**(*src*, *dst*, *symlinks=False*, *ignore=None*)
shutil.**move**(*src*, *dst*)
shutil.make_archive(archive_name, 'gztar', root_dir)

Функции. Классы. Методы.

```python
def myfunc(var1, var2):
    return '%s_%s' % (var1,var2)
class Car(BaseCar):
    beep = 'fafa'
    def say_beep(self):
        print self.beep
```

Установка и настройка Nginx + django

```
apt-get install nginx
server {
    listen 80 ;
    server_name chat.vd.local;
    client_max_body_size   100m;
        location / {
            proxy_pass_header Server;
            proxy_set_header Host $http_host;
            proxy_redirect off;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header X-Scheme $scheme;
            proxy_pass http://localhost:8888;
        }


    location /static {
        alias /home/zarik/www/wc_ve/chat/templates/viktoria-date/static;
    }
}
./manage.py runserver 8888
```

Доменная зона

Домен	Тип	MX	Значение	Синтаксис	Отметить
kino	A	0	188.120.233.99	✓	☐
chat	A	0	77.120.125.23	✓	☐
ftp	CNAME	0	mirbu.com	✓	☐
mail	A	0	91.200.60.23	✓	☐
mirbu.com.	A	0	91.200.60.23	✓	☐
www	CNAME	0	mirbu.com	✓	☐
*.vd	A	0	77.120.125.23	✓	☐
vd	A	0	77.120.125.23	✓	☐
@	MX	10	mail.mirbu.com	✓	☐
journal	A	0	95.163.104.126	✓	☐
*.kiss	A	0	91.200.60.23	✓	☐
comet.kiss	A	0	91.200.60.23	✓	☐
kiss	A	0	91.200.60.23	✓	☐
vds	A	0	188.120.233.99	✓	☐
max	A	0	62.109.21.69	✓	☐
*	A	0	91.200.60.23	✓	☐
*.chat	A	0	77.120.125.23	✓	☐
pressa	A	0	188.120.233.99	✓	☐

отправить на смену   удалить отмеченное

Что идет в коробке Django.

auth

flatpages

flatblocks

sites

Включение приложений на примере Flatpage.

1. Adding 'django.contrib.sites' to your INSTALLED_APPS setting, if it's not already in there. Also make sure you've correctly set SITE_ID
2. Add 'django.contrib.flatpages' to your INSTALLED_APPS setting.

3.Add an entry in your URLconf. For example:

```python
urlpatterns = [
    url(r'^pages/', include('django.contrib.flatpages.urls')),
]
```

4. Add 'django.contrib.flatpages.middleware.FlatpageFallbackMiddleware' to your MIDDLEWARE_CLASSES setting.
5. Run the command manage.py migrate.

```python
urlpatterns += [
    url(r'^about-us/$', views.flatpage, {'url': '/about-us/'}, name='about'),
    url(r'^license/$', views.flatpage, {'url': '/license/'}, name='license'),
]
```

In template
href="{% url 'about' %}"

Делаем сайт-визитку на Flatpages.

Дополняем главный шаблон

```html
<link rel="stylesheet" type="text/css" href="{% static "library/bootstrap/dist/css/bootstrap.css" %}">
    <div class="navbar navbar-default navbar-fixed-top" >
        <div class="container">
            <ul class="nav navbar-nav">
                <li><a href="{% url 'page' 'about' %}">{% trans 'About us' %}</a></li>
                    <li><a href="{% url 'page' 'help' %}">{% trans 'Help' %}</a></li>
                <li><a href="{% url 'page' 'contact' %}">{% trans 'Contacts' %}</a></li>
            </ul>
        </div>
    </div>
```

Первый запрос в базу

```python
from django.template import RequestContext

from django.contrib.flatpages.models import FlatPage

def home(request):

    about = FlatPage.objects.get(url="/home/")

    context = {'page': about}

    return render_to_response('main/home.html', context, RequestContext(request))
```

Шаблон

```
{% extends 'base.html' %}
    {% block 'content' %}
        <h1> {{ page.title }} </h1>
        <p>
            {{ page.content|safe }}
        </p>
    {% endblock %}
```

Вставим wisiwig редактор в админку.

```
pip install django-wysiwyg-redactor

INSTALLED_APPS = ( 'redactor' ….

./manage.py collectstatic

from redactor.widgets import RedactorEditor

from django.contrib.flatpages.models import FlatPage

from django.contrib.flatpages.forms import FlatpageForm

class MyForm(FlatpageForm):
    class Meta:
        widgets = {
            'content_ar': RedactorEditor(),
        }
class MyAdmin(admin.ModelAdmi):
    form = MyForm

admin.site.unregister(FlatPage)

admin.site.register(FlatPage, MyAdmin)
```