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Гапанюк Ю.Е.   Гапанюк Ю.Е.

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Лабораторная работа №7 по курсу

Разработка интернет приложений

ИСПОЛНИТЕЛЬ:

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Задание и порядок выполнения

1. Создайте view, которая возвращает форму для регистрации.

Поля формы:
• Логин
• Пароль
• Повторный ввод пароля
• Email
• Фамилия
• Имя

2. Создайте view, которая возвращает форму для авторизации.

Поля формы:
• Логин
• Пароль

«forms.py»

```python
from django import forms
from django.core.exceptions import ValidationError
from django.core.validators import validate_email
from django.contrib.auth.models import User
class LoginForm(forms.Form):
    login = forms.CharField(label='Login')
    password = forms.CharField(label='Password', widget=forms.PasswordInput)
class SignupForm(forms.Form):
    login = forms.CharField(label='Login', min_length=5)
    email = forms.CharField(label='Email')
    first_name = forms.CharField(label='First name')
    last_name = forms.CharField(label='Last name')
    password = forms.CharField(label='Password', min_length=8, widget=forms.PasswordInput)
    repeat_password = forms.CharField(label='Repeat password', widget=forms.PasswordInput)
    def clean_login(self):
        login = self.cleaned_data['login']
        if User.objects.filter(username=login):
            raise ValidationError('this login is already used')
        return login
    def clean_email(self):
        validate_email( self.cleaned_data['email'])
        return self.cleaned_data['email']
    def clean(self):
        cleaned_data = super(SignupForm, self).clean()
        if self.cleaned_data.get('password') and self.cleaned_data.get('repeat_password'):
            if self.cleaned_data['password'] != self.cleaned_data['repeat_password']:
                raise ValidationError('passwords are not equal')
        return cleaned_data
    def save(self):
        user = User.objects.create_user(username=self.cleaned_data['login'],
                                        email=self.cleaned_data['email'],
                                        password=self.cleaned_data['password'],
                                        first_name=self.cleaned_data['first_name'],
                                        last_name=self.cleaned_data['last_name'],
                                        )
        return user
```

«views.py»

```python
from django.shortcuts import render
from django.contrib import auth
from django.http import HttpResponse, HttpResponseRedirect
from .forms import LoginForm, SignupForm
def login(request):
    redirect_url = '/'
    if request.method == 'POST':
        redirect_url = '/'
        form = LoginForm(request.POST)
        if form.is_valid():
            user = auth.authenticate(username=form.cleaned_data['login'],
                                     password=form.cleaned_data['password'])
            if user is not None:
                auth.login(request, user)
                return HttpResponseRedirect( str(redirect_url) )
            else:
                form.add_error(None, 'invalid login/password')
    else:
        form = LoginForm()
    return render(request, 'login.html', {'form':form, 'continue': redirect_url})
def signup(request):
    if request.method == 'POST':
        form = SignupForm(request.POST)
        if form.is_valid():
            user = form.save()
            return HttpResponseRedirect('/')
    else:
        form = SignupForm()
    return render(request, 'signup.html', {'form': form,
                                           'type': 'Registration'})
def index(request):
    return HttpResponse("Hello")
```

Шаблоны
«login.html»

```html
<!DOCTYPE html>

<html>
<head>
{% load static %}
<!--    <link href="{% static 'css/bootstrap.min.css' %}" rel="stylesheet">-->
</head>
<body>
{{ form.non_field_errors }}
<form action="/login/" method="post" class="form-horizontal">
                    {% csrf_token %}
                    {%  for i in form %}
                    <div class="form-group">
                         <label class="col-sm-2">{{ i.label }}</label>
                         <div class="col-sm-10">
                              <div>
                                   {{ i }}
                              </div>
                              <div>
                                        {{ i.errors }}
                              </div>
                         </div>
                    </div>
```

```
                                    {% endfor %}
                                    <div class="form-group">
                                        <div class="col-sm-offset-2 col-sm-10">
                                            <input type="submit" value="LOGIN" class="btn btn-default"/>
                                        </div>
                                    </div>
</form>
</body>
</html>
```
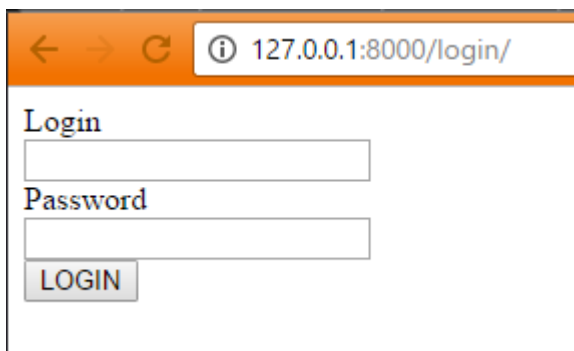
<div align="center">

«signup.html»

</div>

```
<html>
<head>
{% load static %}
<!--    <link href="{% static 'css/bootstrap.min.css' %}" rel="stylesheet">-->
</head>
<body>
{{ form.non_field_errors }}
<form action="/signup/" method="post" class="form-horizontal" enctype="multipart/form-data">
                                    {% csrf_token %}
                                    {% for i in form %}
                                    <div class="form-group">
                                        <label class="col-sm-4">{{ i.label }}</label>
                                        <div class="col-sm-8">
                                            <div>
                                                {{ i }}
                                            </div>
                                            <div>
                                                        {{ i.errors }}
                                            </div>
                                        </div>
                                    </div>
                                    {% endfor %}
                                    <div class="form-group">
                                        <div class="col-sm-offset-4 col-sm-8">
                                            <input type="submit" value="SIGNUP" class="btn btn-default"/>
                                        </div>
                                    </div>
</form>
</body>
</html>
```

Login.html

С ошибкой

- invalid login/password
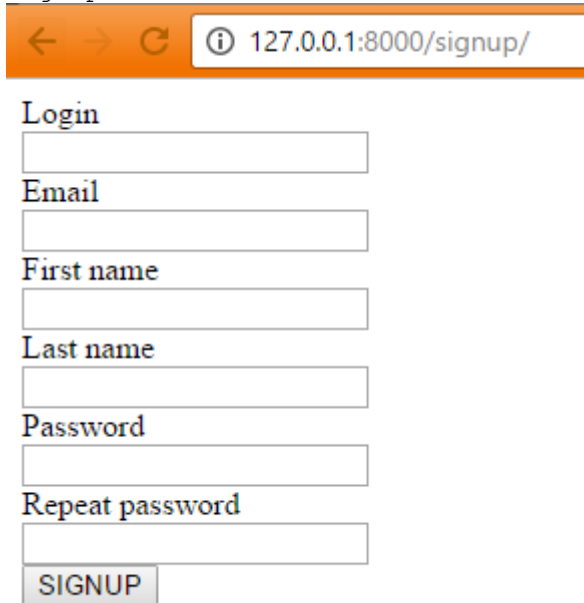
Login

test266

Password

LOGIN

Signup.html

Login

Email

First name

Last name

Password

Repeat password

SIGNUP

С ошибкой

Login

test222

Email

tdtsyqft

- Enter a valid email address.

First name

rtyury

Last name

rtyurtyu

Password

Repeat password

SIGNUP