

**Лабораторная работа №7 по дисциплине
“Разработка интернет приложений”**

Авторизация, работа с формами и Django Admin

ИСПОЛНИТЕЛЬ:

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Авторризация

```
45
46 def login(request):
47     args = {}
48     args.update(csrf(request))
49     if request.POST:
50         username = request.POST.get('username', '')
51         password = request.POST.get('password', '')
52         user = auth.authenticate(username=username, password=password)
53         if user is not None:
54             auth.login(request, user)
55             return redirect('main')
56         else:
57             args['login_error'] = "Пользователь не найден"
58             return render_to_response('login.html', args)
59
60     else:
61         return render_to_response('login.html', args)
62
63
64 def logout(request):
65     auth.logout(request)
66     return redirect('main')
67
68
```

Login.html

```
1 {% extends 'base.html' %}
2
3 {% block body %}
4     <h2>Login</h2>
5     <form action="/auth/login/" method="post">
6         {% csrf_token %}
7         <input type="text" name="username" id="username">
8         <label for="username">Имя пользователя</label>
9         <p></p>
10        <input type="password" name="password" id="password">
11        <label for="password">Пароль</label>
12        <p></p>
13        <input class="button" type="submit" value="Войти"></input>
14        {% if login_error %}
15            <label class="error">{{ login_error }}</label>
16        {% endif %}
17        <div class="label round secondary"><a href="/auth/register/">Регистрация</a></div>
18    </form>
19 {% endblock %}
```

Регистрация

```
69 def register(request):
70     args = {}
71     args['form'] = CustomUserCreationForm()
72     if request.POST:
73         newuser_form = CustomUserCreationForm(request.POST)
74         if newuser_form.is_valid():
75             user = newuser_form.save()
76             auth.login(request, user)
77             return redirect('main')
78         else:
79             args['error_messages'] = newuser_form.error_messages
80             args['form'] = newuser_form
81     return render(request, 'register.html', args)
82
83
84 def register2(request):
85     errors = {}
86     if request.method == 'POST':
87         username = request.POST.get('username')
88         if not username:
89             errors['username'] = 'Введите логин'
90         elif len(username) < 5:
91             errors['username'] = 'Логин минимум 5 символов'
92         elif User.objects.filter(username=username).exists():
93             errors['username'] = 'Такой логин уже существует'
94         password = request.POST.get('password')
95         if not password:
96             errors['password'] = 'Введите пароль'
97         elif len(password) < 8:
98             errors['password'] = 'Пароль не меньше 8 символов'
99         password_repeat = request.POST.get('password2')
100         if password != password_repeat:
101             errors['password2'] = 'Пароли должны совпадать'
102         email = request.POST.get('email')
103         if not email:
104             errors['email'] = 'Введите e-mail'
105         firstname = request.POST.get('firstname')
106         if not firstname:
107             errors['firstname'] = 'Введите имя'
108         surname = request.POST.get('surname')
109         if not surname:
110             errors['surname'] = 'Введите фамилию'
111         if not errors.keys():
112             user = User.objects.create_user(username=username, password=password,
113                                             email=email, first_name=firstname,
114                                             last_name=surname)
115             return HttpResponseRedirect('/')
116     return render(request, 'register2.html', errors)
```

Register.html

```

1  {% extends 'base.html' %}
2
3  {% block body %}
4      <h2>Register</h2>
5
6      <div class="large-offset-r large-6 columns">
7          <form action="/auth/register/" method="post">
8              {% csrf_token %}
9              <h3>Логин</h3>
10             {{ form.username }}
11             <h3>Пароль</h3>
12             {{ form.password1 }}
13             <h3>Повторите пароль</h3>
14             {{ form.password2 }}
15             <h3>E-mail</h3>
16             {{ form.email }}
17             <h3>Имя</h3>
18             {{ form.firstname }}
19             <h3>Фамилия</h3>
20             {{ form.lastname }}
21             <br>
22             {% for error in error_messages %}
23                 {{ error }}
24             {% endfor %}
25             <br><br>
26             <input class="button" type="submit" value="Регистрация"><br>
27             <div class="label round secondary"><a href="/auth/register2/">Расширенная регистрация</a></div>
28         </form>
29     </div>
30 {% endblock %}

```

Register2.html

```

3  {% block body %}
4      <div id="body">
5          <div class="container">
6              <div class="row centered">
7                  <div class="col-lg-8 col-lg-offset-2">
8                      <h1><br>Регистрация<br><br></h1>
9                  </div>
10             </div>
11         </div>
12         <form method="POST">
13             <div class="auth_block">
14                 {% csrf_token %}
15                 <div class="auth_blank">
16                     <label>
17                         Логин
18                     </label>
19                     <div class="form-block">
20                         <input type="text" name="username" value="{{ username }}">
21                         {% if errors.username != '' %}
22                             <div class="form-error">{{ errors.username }}</div>
23                         {% endif %}
24                     </div>
25                 </div>
26                 <div class="auth_blank">...</div>
27                 <div class="auth_blank">...</div>
28                 <div class="auth_blank">...</div>
29                 <div class="auth_blank">...</div>
30                 <div class="auth_blank">
31                     <label>
32                         Фамилия
33                     </label>
34                     <div class="form-block">
35                         <input type="text" name="surname" value="{{ surname }}">
36                         {% if errors.surname != '' %}
37                             <div class="form-error">{{ errors.surname }}</div>
38                         {% endif %}
39                     </div>
40                 </div>
41                 <br>
42                 <button type="submit">Зарегистрироваться</button>
43             </div>
44         </form>
45     </div>
46 {% endblock %}

```

div#body > form > div.auth_block > div.auth_blank > label

Модели и админка

```
1 # Create your models here.
2
3 from django.db import models
4 from datetime import datetime
5
6
7 class User(models.Model):
8     first_name = models.CharField(max_length=30)
9     last_name = models.CharField(max_length=30)
10    email = models.EmailField()
11    birth_date = models.DateField(default=datetime.now())
12    age = models.IntegerField()
13
14    def __str__(self):
15        return self.first_name
16
17
18 class Test(models.Model):
19     first_name = models.CharField(max_length=30)
20     last_name = models.CharField(max_length=30)
21
22    def __str__(self):
23        return self.first_name
```

```
1 from django.contrib import admin
2 from loginsys.models import *
3 from datetime import datetime
4
5
6 class UserSet(admin.ModelAdmin):
7     fields = (('first_name', 'last_name'), 'email', 'birth_date', 'age')
8     list_filter = ('birth_date',)
9     list_display = ('last_name', 'first_name', 'email', 'birth_date', 'age', 'agecalculate')
10    search_fields = ('first_name', 'last_name')
11    list_per_page = 10
12
13    def agecalculate(self, obj):
14        d1 = obj.birth_date
15        d2 = datetime.date(datetime.now())
16        delta = d2 - d1
17        return delta
18
19 # Register your models here.
20 admin.site.register(User, UserSet)
```

Результаты

Django administration

WELCOME, RIP / VIEW SITE / CHANGE PASSWORD / LOG OUT

Home » Loginsys » Users

Select user to change

ADD USER +

q

Search

Action:

Go

 0 of 1 selected

<input type="checkbox"/>	LAST NAME	FIRST NAME	EMAIL	BIRTH DATE	AGE	AGECALCULATE
<input type="checkbox"/>	Chechelev	Denis	Deniz_che@mail.ru	Dec. 29, 1997	19	7319 days, 0:00:00

1 user

FILTER

By birth date

Any date

Today

Past 7 days

This month

This year

Register

Логин

Пароль

Повторите пароль

E-mail

Имя

Фамилия

Регистрация

Расширенная регистрация

Регистрация

Логин

Пароль

Повторите пароль

E-mail адрес

Полное имя

Фамилия

Зарегистрироваться

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Lab 5

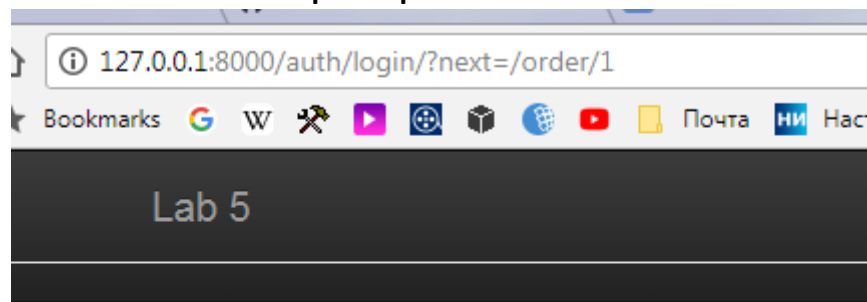
Выход (Rip)

Заказы

Order N1

Very useful description №1

Требование логина
при открытии заказа



Login

Имя пользователя

Пароль

Войти

[Регистрация](#)

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