Лабораторная работа 7

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ИВТ 4 группа 1

first step

```
PS D:\Study\sem7\Prog\lr7> django-admin startproject mysite
PS D:\Study\sem7\Prog\lr7> cd mysite
PS D:\Study\sem7\Prog\lr7\mysite> python manage.py runserver localhost:8080
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, session
s.
Run 'python manage.py migrate' to apply them.
December 10, 2021 - 23:40:33
Django version 4.0, using settings 'mysite.settings'
Starting development server at http://localhost:8080/
Quit the server with CTRL-BREAK.
[10/Dec/2021 23:40:41] "GET / HTTP/1.1" 200 10697
Not Found: /favicon.ico
[10/Dec/2021 23:40:41] "GET /favicon.ico HTTP/1.1" 404 2110
[10/Dec/2021 23:40:42] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
[10/Dec/2021 23:40:42] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85692
[10/Dec/2021 23:40:42] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876
Not Found: /favicon.ico
[10/Dec/2021 23:40:42] "GET /favicon.ico HTTP/1.1" 404 2110
[10/Dec/2021 23:40:42] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184
Not Found: /favicon.ico
[10/Dec/2021 23:40:43] "GET /favicon.ico HTTP/1.1" 404 2110
```
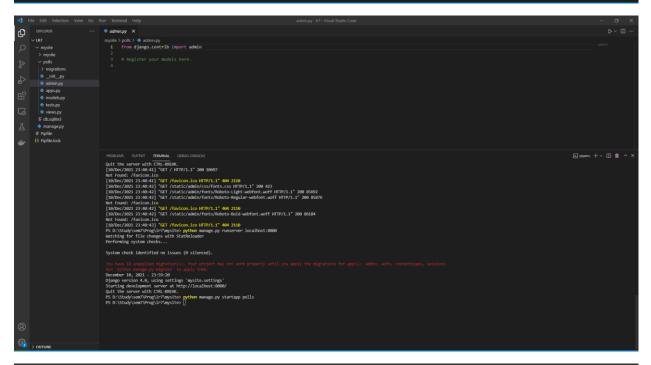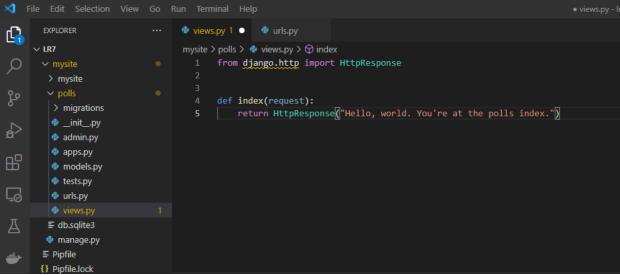
```python
from django.contrib import admin

# Register your models here.
```



```python
from django.http import HttpResponse


def index(request):
    return HttpResponse("Hello, world. You're at the polls index.")
```

First screenshot: Visual Studio Code editing `urls.py`:

```python
from django.urls import path

from . import views

urlpatterns = [
    path('', views.index, name='index'),
]
```

Browser at localhost:8080/polls/ showing: "Hello, world. You're at the polls index."

part 2

Second screenshot: Visual Studio Code editing `settings.py`:

```python
    },
]


WSGI_APPLICATION = 'mysite.wsgi.application'


# Database
# https://docs.djangoproject.com/en/4.0/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}
# работа будет проходить с sqlite3


# Password validation
# https://docs.djangoproject.com/en/4.0/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
```

Terminal output:

```
Django version 4.0, using settings 'mysite.settings'
Starting development server at http://localhost:8080/
Quit the server with CTRL-BREAK.
PS D:\Study\sem7\Prog\lr7\mysite> python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
```

File Edit Selection View Go Run Terminal Help

EXPLORER

∨ LR7
  ∨ mysite
    ∨ mysite
      ◆ __init__.py
      ◆ asgi.py
      ◆ settings.py
      ◆ urls.py
      ◆ wsgi.py
    ∨ polls
      ∨ migrations
        ◆ __init__.py
      ◆ __init__.py
      ◆ admin.py
      ◆ apps.py
      ◆ models.py   1
      ◆ tests.py
      ◆ urls.py
      ◆ views.py
    ≡ db.sqlite3
    ◆ manage.py
    ≡ Pipfile
    {} Pipfile.lock

◆ views.py   ◆ urls.py ...\polls   ◆ urls.py ...\mysite   ◆ settings.py   ◆ models.py 1 ✕

mysite > polls > ◆ models.py > ⚉ Choice

```python
1    from django.db import models
2
3
4    class Question(models.Model):
5        question_text = models.CharField(max_length=200)
6        pub_date = models.DateTimeField('date published')
7
8
9    class Choice(models.Model):
10       question = models.ForeignKey(Question, on_delete=models.CASCADE)
11       choice_text = models.CharField(max_length=200)
12       votes = models.IntegerField(default=0)
```

PROBLEMS 1   OUTPUT   TERMINAL   DEBUG CONSOLE   powershell

```
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying auth.0012_alter_user_first_name_max_length... OK
  Applying sessions.0001_initial... OK
PS D:\Study\sem7\Prog\lr7\mysite>
```

> OUTLINE

Python 3.9.5 64-bit   ⊗ 0 ⚠ 1   Ln 12, Col 43   Spaces: 4   UTF-8   CRLF   Python