Static Directory

Static content

- We use several static content with our html files, such as
 - Images
 - PDF
 - CSS
 - Videos
- All such files should be stored in static directory

Learn by Example

- Steps to perform
 - Create project
 - Create app
 - Create templates folder
 - · Create static folder
 - Configure settings.py
 - Create views, define HTML, define CSS, put images
 - Set URL
 - Run server
 - Send requests

Create Project

• django-admin startproject firstapp

Create App

- python manage.py startapp testapp
- python manage.py startapp exam

Create templates folder

- Create templates folder in main project directory
 - Create folder with appname
 - · Create html files in it

Create static folder

- Create static folder inside main project folder
 - images folder inside static
 - css folder inside static

Directory structure so far

- firstproject
 - firstproject
 - exam
 - testapp
 - templates
 - exam
 - *.html (* is any name of the file)
 - testapp
 - *.html (* is any name of the file)
 - static
 - css
 - images

Configure settings.py

- In settings.py, you have to add following:
 - Add apps

```
projects
   exam
                                 ALLOWED_HOSTS = []
    > 🛅 __pycache_
    > 📺 migrations
     admin.py
                                 INSTALLED APPS = [
     models.py
                                     'testapp',
     tests.py
                                     'django.contrib.admin',
     views.py
                                     'django.contrib.auth',
  > 🛅 firstproject
                                     'django.contrib.contenttypes',
                                     'django.contrib.sessions',
                                     'django.contrib.messages',
       teststyle.css
                                     'django.contrib.staticfiles',
       lightblue.png
```

Add path for templates

```
# Build paths inside the project like this: os.path.join(BASE_DIR, ...)

BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))

TEMPLATES_DIR=os.path.join(BASE_DIR, 'templates')

STATIC_DIR=os.path.join(BASE_DIR, 'static')

# Ouich-start development settings = unsuitable for production
```

- Add path for static
 - Create variable
 - STATIC_DIR=os.path.join(BASE_DIR,'static')
 - At the end of the file settings.py create a list

Python for Web using Django

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```
STATICFILES_DIRS=[
STATIC_DIR,
]
```

```
122 STATIC_URL = '/static/'
123 STATICFILES_DIRS=[
124 STATIC_DIR,
125 ]
```