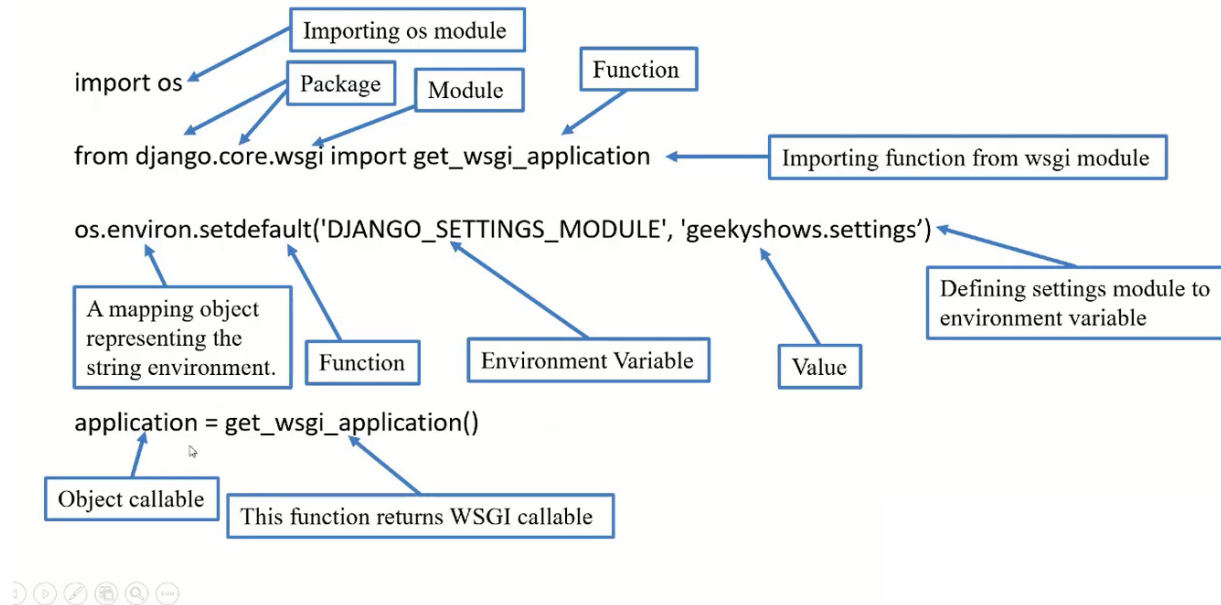


Django Project inside Files

wsgi.py




wsgi.py

```
os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'geekyshows.settings')
```

When the WSGI server loads your application, Django needs to import the settings module, that's where your entire application is defined.

Django uses the `DJANGO_SETTINGS_MODULE` environment variable to locate the appropriate settings module.

It must contain the dotted path to the settings module. 

You can use a different value for development and production; it all depends on how you organize your settings.

If this variable isn't set, the default `wsgi.py` sets it to `mysite.settings`, where `mysite` is the name of your project. That's how `runserver` discovers the default settings file by default.

asgi.py

```
import os

from django.core.asgi import get_asgi_application

os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'geekyshows.settings')

application = get_asgi_application()
```

settings.py

```
import os
Importing os module

BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
BASE_DIR is a variable which contains abspath of base directory/project folder
e.g. - C:\AllDjango\geekyshows
```

settings.py

```
SECRET_KEY = '9f=3m6^04@*z1dn*!utxe^yn!3vpkjtbbg0&t^+_cxaigm*7p'
```

This is used to provide cryptographic signing, and should be set to a unique, unpredictable value. django-admin startproject automatically adds a randomly-generated SECRET_KEY to each new project.

Django will refuse to start if SECRET_KEY is not set.

The secret key is used for:

- All sessions if you are using any other session backend than `django.contrib.sessions.backends.cache`, or are using the default `get_session_auth_hash()`.
- All messages if you are using `CookieStorage` or `FallbackStorage`.
- All `PasswordResetView` tokens.
- Any usage of cryptographic signing, unless a different key is provided.

settings.py

DEBUG = True

A Boolean (True/False) that turns on/off debug mode.

Never deploy a site into production with DEBUG turned on.

One of the main features of debug mode is the display of detailed error pages.

If DEBUG is *False*, you also need to properly set the ALLOWED_HOSTS setting.

Failing to do so will result in all requests being returned as “Bad Request (400)”.

settings.py

ALLOWED_HOSTS = []

A list of strings representing the host/domain names that this Django site can serve. Values in this list can be fully qualified names (e.g. 'www.example.com'), in which case they will be matched against the request's Host header exactly (case-insensitive, not including port).

A value beginning with a period can be used as a subdomain wildcard: '.example.com' will match example.com, www.example.com, and any other subdomain of example.com.

A value of '*' will match anything; in this case you are responsible to provide your own validation of the Host header.

settings.py

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
]
```

Built-in Applications

A list of strings designating all applications that are enabled in this Django installation. Each string should be a dotted Python path to an application configuration class (preferred) or a package containing an application.

Application names and labels must be unique in INSTALLED_APPS.

Application names – The dotted Python path to the application package must be unique. There is no way to include the same application twice, short of duplicating its code under another name.

Application labels – By default the final part of the name must be unique too. For example, you can't include both django.contrib.auth and myproject.auth.

settings.py

```
MIDDLEWARE = [  
    'django.middleware.security.SecurityMiddleware',  
    'django.contrib.sessions.middleware.SessionMiddleware',  
    'django.middleware.common.CommonMiddleware',  
    'django.middleware.csrf.CsrfViewMiddleware',  
    'django.contrib.auth.middleware.AuthenticationMiddleware',  
    'django.contrib.messages.middleware.MessageMiddleware',  
    'django.middleware.clickjacking.XFrameOptionsMiddleware',  
]
```

A list of middleware to use.

settings.py

```
ROOT_URLCONF = 'geekyshows.urls'
```

A string representing the full Python import path to your root URLconf, for example "mydjangoapps.urls" can be overridden on a per-request basis by setting the attribute `urlconf` on the incoming `HttpRequest` object.

settings.py

```
TEMPLATES = [  
    {  
        'BACKEND': 'django.template.backends.django.DjangoTemplates',  
        'DIRS': [],  
        'APP_DIRS': True,  
        'OPTIONS': {  
            'context_processors': [  
                'django.template.context_processors.debug',  
                'django.template.context_processors.request',  
                'django.contrib.auth.context_processors.auth',  
                'django.contrib.messages.context_processors.messages',  
            ],  
        },  
    },  
]
```

The template backend to use.

Directories where the engine should look for template source files, in search order.

Whether the engine should look for template source files inside installed applications.

Extra parameters to pass to the template backend. Available parameters vary depending on the template backend.

A list containing the settings for all template engines to be used with Django. Each item of the list is a dictionary containing the options for an individual engine.

settings.py

```
WSGI_APPLICATION = 'geekyshows.wsgi.application'
```

The full Python path of the WSGI application object that Django's built-in servers (e.g. runserver) will use.

The django-admin startproject management command will create a standard wsgi.py file with an application callable in it, and point this setting to that application.

If not set, the return value of `django.core.wsgi.get_wsgi_application()` will be used.

settings.py

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
    }
}

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'NAME': 'mydatabase',
        'USER': 'mydatabaseuser',
        'PASSWORD': 'mypassword',
        'HOST': '127.0.0.1',
        'PORT': '5432',
    }
}
```

A dictionary containing the settings for all databases to be used with Django.

It is a nested dictionary whose contents map a database alias to a dictionary containing the options for an individual database.

The DATABASES setting must configure a default database; any number of additional databases may also be specified.

settings.py

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

The list of validators that are used to check the strength of user's passwords.

settings.py

USE_TZ = True

A boolean that specifies if datetimes will be timezone-aware by default or not. If this is set to True, Django will use timezone-aware datetimes internally. Otherwise, Django will use naive datetimes in local time.

STATIC_URL = '/static/'

URL to use when referring to static files located in STATIC_ROOT.

Example: `"/static/"` or `"http://static.example.com/"`

If not None, this will be used as the base path for asset definitions (the Media class) and the staticfiles app.

It must end in a slash if set to a non-empty value.

You may need to configure these files to be served in development and will definitely need to do so in production.