

What is import os in python?

The OS module in Python provides functions for creating and removing a directory (folder), fetching its contents, changing and identifying the current directory, etc. You first need to import the os module **to interact with the underlying operating system**.

What is logging config in Python?

The following functions **configure the logging module**. They are located in the logging.config module. Their use is optional — you can configure the logging module using these functions or by making calls to the main API (defined in logging itself) and defining handlers which are declared either in logging or logging.

What is Corsheaders?

django-cors-headers is a **Django application for handling the server headers required for Cross-Origin Resource Sharing (CORS)**.

What is default in python?

Python has a different way of representing syntax and default values for function arguments. **Default values indicate that the function argument will take that value if no argument value is passed during function call**. The default value is assigned by using assignment (=) operator.

What are headers in Python?

Header comments appear at the top of a file.

What is os.environ.get?

environ in Python is **a mapping object that represents the user's environmental variables**. It returns a dictionary having user's environmental variable as key and their values as value. os.environ behaves like a python dictionary, so all the common dictionary operations like get and set can be performed.

What is.setdefault in python?

Python Dictionary.setdefault() Method

The setdefault() method **returns the value of the item with the specified key**. If the key does not exist, insert the key, with the specified value,

what is os.path.dirname in python?

path.dirname() method in Python is **used to get the directory name from the specified path**.

What is os path Abspath in Python?

The `os.path.abspath()` is a **built-in Python function that returns a normalized absolute version of the pathname**, which means the `abspath()` function returns the pathname to a path passed as a parameter.

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What is middleware in python?

Middleware is a **framework of hooks into Django's request/response processing**. It's a light, low-level "plugin" system for globally altering Django's input or output. Each middleware component is responsible for doing some specific function.

what is oauth2_provider in python?

`django-oauth2-provider` is a **Django application that provides customizable OAuth2-authentication for your Django projects**.

What is OAuth2 in Python?

The OAuth2 is a **protocol used in the Python language to provide the functionality of client-server communication**. It is used to exchange some data between client and server through authorization. The user would first authorize itself from the server and get the token from it.

What is Securitymiddleware in Django?

In Django, middleware is a **lightweight plugin that processes during request and response execution**. Middleware is used to perform a function in the application. The functions can be security, session, csrf protection, authentication etc.

What are sessions in Django?

Sessions are **the mechanism used by Django (and most of the Internet) for keeping track of the "state" between the site and a particular browser**. Sessions

allow you to store arbitrary data per browser, and have this data available to the site whenever the browser connects

What is common middleware in Django?

In Django, middleware is **a lightweight plugin that processes during request and response execution**. Middleware is used to perform a function in the application. The functions can be a security, session, csrf protection, authentication etc.

What is Authentication middleware

Adds the user attribute, representing the currently-logged-in user, to every incoming HttpRequest object. See Authentication in web requests. Middleware for utilizing web server provided authentication. See How to authenticate using REMOTE_USER for usage details.

What is os path join in Python?

path. join() method in Python **join one or more path components intelligently**. This method concatenates various path components with exactly one directory separator ('/') following each non-empty part except the last path component.

What is Base_dir in Python?

BASE_DIR is **your Django project directory**. The same directory where manage.py is located.

What is dictConfig?

dictConfig (config) **Takes the logging configuration from a dictionary**. The contents of this dictionary are described in Configuration dictionary schema below.

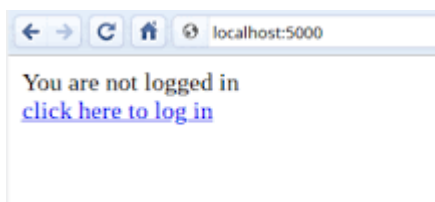
How does IsAuthenticated work in Django?

IsAuthenticated. **The IsAuthenticated permission class will deny permission to any unauthenticated user, and allow permission otherwise.** This permission is suitable if you want your API to only be accessible to registered users.

What is OAuth authentication Django?

OAuth 1.0a **provides signature validation which provides a reasonable level of security over plain non-HTTPS connections.** However, it may also be considered more complicated than OAuth2, as it requires clients to sign their requests. This authentication class depends on the django-oauth-plus and oauth2 packages.

What are sessions in Python?



Unlike cookies, Session (session) data is stored on the server. The session is **the interval at which the client logs on to the server and logs out the server.** The data that is required to be saved in the session is stored in a temporary directory on the server.

What is Root_urlconf?

ROOT_URLCONF **tells Django which Python module should be used as the URLconf for this Web site.**

What is Auth_user_model?

AUTH_USER_MODEL is **the recommended approach when referring to a user model in a models.py file.** For this you need to create custom User Model by either subclassing AbstractUser or AbstractBaseUser.

What is Cors_allow_headers?

CORS_ALLOW_HEADERS is a **list of non-standard headers allowed in the request**. The default value is below: Django

What is site root in python?

Root Directory. Where you located python.exe is also the root of your Python installation (assuming you aren't using a virtual environment). In this folder, you will find files relating directly to Python and modules you have installed.

What is dir in python?

dir() function in Python. dir() is a powerful inbuilt function in Python3, which **returns list of the attributes and methods of any object** (say functions , modules, strings, lists, dictionaries etc.) Returns : dir() tries to return a valid list of attributes of the object it is called upon.

What is Base_dir in Django?

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What does OS path dirname (___ FILE ___)?

path. dirname() method in Python is used to **get the directory name from the specified path**.

What is the use of WSGI file in Django?

The main use of deploying with WSGI is **the application callable which the application server uses to communicate with your code**. It's commonly provided as an object named application in a Python module accessible to the server

What are password validators in Django?

A few validators are included in Django, but you can write your own as well. Each password validator must provide a help text to explain the requirements to the user,

validate a given password and return an error message if it does not meet the requirements, and optionally receive passwords that have been set.

What is internationalization in Django?

The goal of internationalization and localization is **to allow a single web application to offer its content in languages and formats tailored to the audience**. Django has full support for translation of text, formatting of dates, times and numbers, and time zones.

What is USE_I18N in Django?

Django's **internationalization hooks** are on by default, and that means there's a bit of i18n-related overhead in certain places of the framework. If you don't use internationalization, you should take the two seconds to set `USE_I18N = False` in your settings file

What is USE_L10N true?

The formatting system is disabled by default. To enable it, it's necessary to set `USE_L10N = True` in your settings file. To enable number formatting with thousand separators, it is necessary to set `USE_THOUSAND_SEPARATOR = True` in your settings file.

What is Use_tz in Django?

When `USE_TZ` is False, this is **the time zone in which Django will store all datetimes**. When `USE_TZ` is True, this is the default time zone that Django will use to display datetimes in templates and to interpret datetimes entered in forms.

What is static files in Django?

Static Files such as **Images, CSS or JS files** are often loaded via a different app in production websites to avoid loading multiple stuff from the same server.

What is static URL in Django?

"STATIC_ROOT" **sets the absolute path to the folder where static files used for the apps and admin in a django project are stored** and this command below creates the folder and collects static files from the apps and admin in a django project into the folder (*Setting "STATIC_ROOT" never ever influence to static file URL ...

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What is Media_url in Django?

Open settings.py file of your project and add the following configuration. # Base url to serve media files. MEDIA_URL = '/media/' # Path where media is stored.

MEDIA_ROOT = os.path.join(BASE_DIR, 'media/') MEDIA_URL is **the URL that will serve the media files**

What is Media_root in Django?

MEDIA_ROOT Setting

It contains the absolute path to the file system where Media files will be uploaded. It accepts a string, not a list or tuple. Create a new directory named media inside Django project root directory (TGDB/django_project), the same place where manage.py is located.

What is Email_backend in Django?

Defining a custom email backend

If you need to change how emails are sent you can write your own email backend. The EMAIL_BACKEND setting in your settings file is then **the Python import path for your backend class**. Custom email backends should subclass BaseEmailBackend that is located in the django. core.

What FINRA stands for?

the Financial Industry Regulatory Authority

What CFR means?

Code of Federal Regulations

The **Code of Federal Regulations** (CFR) is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

What is api key in python?

A CARTO API Key is physically **a token/code of 12+ random alphanumeric characters**. You can pass in the API Key to our APIs either by using the HTTP Basic authentication header or by sending an api_key parameter via the query string or request body.

What is Celery python used for?

Celery is an open-source Python library which is used **to run the tasks asynchronously**. It is a task queue that holds the tasks and distributes them to the workers in a proper manner. It is primarily focused on real-time operation but also supports scheduling (run regular interval tasks).

What is Celery_result_backend?


```
CELERY_RESULT_BACKEND = "amqp"
```

The AMQP backend is non-persistent by default, and you can only fetch the result of a task once (as it's sent as a message). For list of backends available and related options see Task result backend settings. Finally we list the modules the worker should import.

What is applicability review?

Assessing Applicability

Assessment of applicability is an essential part of the systematic review process. In the context of systematic reviews of the effects of interventions, applicability is an assessment of whether the findings of a review can be applied in a particular context or population.

What is implement plan in python?

An implementation plan is a project management tool that facilitates the execution of a strategic plan for a company or a project by breaking down the implementation process into smaller steps while defining the timeline, the teams and the resources that will be needed

What is gap analysis?

A gap analysis is **a method of assessing the performance of a business unit to determine whether business requirements or objectives are being met and, if not, what steps should be taken to meet them**. A gap analysis may also be referred to as a needs analysis, needs assessment or need-gap analysis.