TEAM LEAD VERSION (Backend Sprint-2 Week-2)

Meeting Agenda

► Icebreaking

► Questions

► Interview Questions

► Coding Challenge

► Video of the week

► Retro meeting

► Case study / project

Teamwork Schedule

Ice-breaking   5m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work   5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions   15m

1. Which one is not a django restframework pagination policy?

A. PageNumber Pagination
B. DataNumber Pagination
C. Cursor Pagination
D. Limit offset pagination

Answer: B (DataNumber Pagination)

"Pagination is only performed automatically if you're using the generic views or viewsets. If you're using a regular APIView, you'll need to call into the pagination API yourself to ensure you return a paginated response."

2. Is this statement correct?

A. False
B. True

Answer: B, 'True'

3.Which concept is defined above and belongs to pageNumberPagination?

A. Page_size
B. Django_paginator_class

C. Page_query_param

D. Template

Answer: C (Page_query_param)

The .... indicates the maximum number of items to return, and is equivalent to the .... in other styles. The .... indicates the starting position of the query in relation to the complete set of unpaginated items.

4.Which expressions are suitable for the blanks above?

A. Offset - limit - page_size

B. Page_size - offset - limit

C. Limit - offset - page_size

D. Limit - page_size - offset

Answer: D (Limit - offset - page_size)

Proper use of cursor based pagination requires a little attention to detail. You'll need to think about what ordering you want the scheme to be applied against. The default is to order by "..........".

5. Which expression suitable for the blank above?

A. ID

B. Name

C. Created

D. Random

Answer: C (created)

6. Which method should we override to apply filtering in our views?

A. get_queryset

B. get_object

C. get_serializer_class

D. Perform_create

Answer: A (get_queryset)

7. which package supports highly customizable field filtering for REST framework?

A. Python-Decouple

B. Pillow

C. django-filter

D. dj-rest-auth

Answer: C (django-filter)

The SearchFilter class will only be applied if the view has a search_fields attribute set. The search_fields attribute should be a list of names of text type fields on the model, such as CharField or TextField.

8. Is this statement correct?

A. False
B. True

Answer: B, 'True'

This authentication scheme uses ...., signed against a user's username and password. This authentication is generally only appropriate for testing.

9. which authentication policy is defined above?

A. Token authentication
B. Session authentication
C. JWT authentication
D. Basic authentication

Answer: D (Basic authentication)

10. Which built-in view provides a mechanism for clients a token given the username and password?

A. ViewSet
B. GenericAPIView
C. rest_framework.authtoken"
D. Obtain_auth_token"

Answer: D (Obtain_auth_token)

Interview Questions   15m

1. Can you explain what token-based authentication is?

Answer:

Token-based authentication is a form of authentication that uses a token – typically a string of characters – to identify a user. This token is then sent with each request, and the server can use it to verify the identity of the user. This is a popular form of authentication for APIs, as it can be easily implemented and is more secure than other methods, such as Basic Authentication.

2. What is pagination and why is it important?

Answer:

Pagination is a way of handling large amounts of data by breaking it up into smaller, more manageable pieces. This is important because it allows users to more easily access the data they need without having to load an entire dataset at once, which can be slow and cumbersome. Additionally, pagination can help reduce server load by reducing the amount of data that needs to be transferred at one time.

3. Is it possible to create a custom permission class in Django Rest Framework? If yes, then how?

Answer:

Yes, it is possible to create a custom permission class in Django Rest Framework. You would do this by subclassing the BasePermission class and overriding the has_permission(self, request, view) and/or has_object_permission(self, request, view, obj) methods.

4. How do you handle authentication using Django Rest Framework?

Answer:

There are a few different ways to handle authentication using Django Rest Framework. The most common way is to use Django's built-in authentication system, which will handle all of the heavy lifting for you. You can also use a third-party authentication system, such as Auth0, which provides its own set of tools and libraries for handling authentication.

Coding Challenge   35m

There is no coding challenge

Coffee Break   10m

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Video of the Week   10m

- Difference between cookies, session and tokens

Retro Meeting on a personal and team level   5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

Case study/Project   0m

- **There is not a workshop in this week due to newyear holiday**

Closing   5m

-Next week's plan

-QA Session