18 - Add Get Videos Function

05:07

Add getVideos Function

We will now need to fetch the video documents from the Firestore database.

We will be implementing this in a basic and naive way. Meaning we will just fetch 10 videos from the entire list of videos from Firestore and return it to the client.

But of course this is not a scalable solution. We would need to implement pagination and filtering if we wanted wanted to have a feed of videos.

Also, it does not take into account any of the user's preferences or subscriptions (a feature we won't implement).

1. Create getVideos Function

We will implement this in `yt-api-service` within the `index.ts` file:

```
const videoCollectionId = "videos";

export interface Video {
  id?: string,
  uid?: string,
  filename?: string,
  status?: "processing" | "processed",
  title?: string,
  description?: string
}

export const getVideos =
onCall({maxInstances: 1}, async () => {
  const querySnapshot =
    await
firestore.collection(videoCollectionId).limit
(10).get();
  return querySnapshot.docs.map((doc) =>
doc.data());
});
```

Notice that we don't need to check if the user is authenticated. We can just return the list of videos regardless.

2. Deploy getVideos Function

```
firebase deploy --only functions:getVideos
```

3. Test getVideos Function

We will test this function from our Next.js app shortly. But for now you can also test it using Thunder Client.

You can find the endpoint URL within the Firebase Functions console or within the Google Cloud Console under Cloud Functions.

You can test the endpoint using Thunder Client as we did in a previous lesson. Make sure to use the POST method since we are using the `onCall` function, which are only callable via POST.

POST **https://getvideos-[XXXX]-uc.a.run.app**

The headers:

```
{
```



```
{
  "data": {}
}
```

> Yes, it's required to have a data field in the request

> body.

The response should look something like this:

```
{
  "result": [
    {
      "uid": "82556WyT0mV4xkMtHOvaA97WwrV2",
      "id": "82556WyT0mV4xkMtHOvaA97WwrV2-
1689206944832",
      "filename": "processed-
82556WyT0mV4xkMtHOvaA97WwrV2-
1689206944832.mp4",
      "status": "processed"
    }
  ]
}
```

Full Stack Development

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Storage