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App designation

The application will operate as a platform for uploading and reviewing CV files between the members of the Magshimim-Next community.
This will allow us to improve and maximize the potential of every member's CV – by getting a lot of input from various users.

How will it work?

Upon entering the platform, a user will have to register/sign in with a google account (still need to reconsider this).

Once the user is signed in – he will be able to upload as well as view various CVs of the active platform members.

Uploading a CV

A user can choose to upload any link he'd like to share – but a submitted link must withstand the following standards:

- If a **.docx** file is being shared – a user should share it via **Google Drive** with the Comments option toggled for anyone with the link.
- If a **.pdf** file is being shared – a user should share it via **Drop Box** with the Comments option toggled for anyone with the link.

    - Once a user submits a link, the latest link is bound to his registered account.
        - o This means we can upload a new version at any given time.
    - Upon submission – each CV should also be linked to a job category (read more about categories in the data schemes section).

Viewing a CV

A user can view any CVs that he'd like – the CVs will be shown in a feed-like page.

The feed will have filtering options but in default settings – will show the most recently

Uploaded CVs.

There will also be an option to filter by category (read more about categories in the data

schemes section).

Once a user has clicked on a CV, he will be sent to the provided CV link – where he can leave a detailed review using the built in comment tools in Google Drive / Drop Box.

We will also provide a general comment section under each post.

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Technologies

Due to the short time schedule on this project and the project being a voluntary work – we will not be creating a server side for this platform but instead use serverless solutions such as Firebase.

- Firebase – Firestore – as the DB of the project.
- AWS – to host the application – preferably with a custom docker image.
- React.next - to code the application.
- Shadcn – for ui components (based on radix ui)

Schemas & Collections

Categories (Enum)

1) General
2) Medical
3) Insurance
4) Financial
5) Legal
6) Education
7) Full Stack
8) Front End
9) Back End
10) DevOps
11) Cyber Security

12) …

Users (Firebase generated)

- Unique ID
- Email address
- Name

CVs

- Unique ID
- Document link
- User ID
- Upload date (long epoch time)
- Category ID (from the Enum)
- Description
- Preview (Screenshot)

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Comments

- Unique ID
- Document ID (Null if nested comment)
- Parent Comment ID (Null if root comment)
- User ID
- Last update (long epoch time)
- Upvotes (list of user IDs)
- Downvotes (list of user IDs)

Workflow Logic

CV Previews

There will be a cron job that will run on the CVs in the firebase DB and will create/get a preview for each one, then it will update the same entry in the collection with the new image.

When a user uploads an image, a faster job will run immediately to provide a live preview that will update more frequently and will let the user check if the permissions are correct.

General Workflow UML

Classes UML

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