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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.
Only verified members will be able to use the website.
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.

After that, an admin must change the user type of the new user (read more about the user type in the data schemas section).

This is done because we want only Magshimim Next members to be able to join.

Once the user is signed in and with the correct permissions – he will be able to upload as well as view and comment on the various CVs of the active platform members.

Uploading a CV

A user can choose to upload a link that withstand the following standards:

- The link must be a link to a **Google Docs** file.
- The file must be open to view to anyone with the link.

- Once a user submits a link, it will be added with the user's ID.
    - This means a user can upload several CVs.
- Each CV must also include a brief description of the CV.
- Upon submission – each CV should also be linked to at least one 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), by description, and by the user uploading.

Once a user has clicked on a CV, he will be sent to a page dedicated to the CV where he can leave a detailed review of that CV and even resolve any of his reviews.

- Liking comments and commenting under other comments is also available.

User Data and Interactions

Users can define several fields to better explain themselves.

Username

Each user can set a different username that would be previews instead of the name given from Gmail.

Work Status

Each user can set a work status that would be presented to all other users that check his profile.

- The status can be empty, open to work, or hiring.

Work Status Categories

To better explain the status itself, a user can choose up to 3 categories that the work status relates to.

- For example, if a user is set to open to work, he can define the categories to match the fields he wants to work on.

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 Supabase.

- Supabase – The Free Firebase Alternative – as the DB of the project.
- Digital Ocean Kubernetes – to host the application and the development – preferably with a custom docker image.
- Typescript NextJS – To code the application.
- Github – Hosting the code, running relevant pipelines, and hosting a static page for the community using Github Pages.
- Namecheap – Registering DNS.

Although it is important to note that due to everything being voluntary work, financing support for thousands of users is not possible, so selfhosted-limitless solutions might be the way to go in the future and student credits are our way to go at the moment.

Workflow and Logic

CV Previews

Each request to the feed will try to update the image in the bucket if that hash of the file changed.

The request will fetch the image from the bucket, save it to the cache, and render it along with the uploader's name, the relevant categories, and the upload date.

We may think of a way to improve the number of requests and conflicts that could occur. Cron jobs and other similar ideas are still though about.

User Permissions

When a user signs in, he automatically receives the inactive type, which means he has no way of doing anything and he is always redirected to an “access denied” page.

An admin must change the type on the admin page/the Supabase console at the perms table.

The active role holders can do anything **to themselves** except for updating their role (they can only do things that are implemented in the code – if something is changeable and not referenced in any point in the code, it can’t be updated).

Admins can do anything they like (change names, delete comments, delete CVs, etc). This is enforced on the DB using Row Level Security and on the backend.

High Level Frontend Layout

A clear version of our draw.io is available at our repository.