

## Project Functionality Interfaces/API

Our REST API is built using Node.js and Express. We use different HTTP request methods to do CRUD functionality. After we set the middleware with ExpressJS. We use HTTP methods to retrieve and manipulate data in MongoDB endpoints.

\* POST: Used to submit data in forms for user registration and creating thoughts. We also use Express validator for validation of the posted data.

\* GET: Used to request stored data from MongoDB, reading user and thoughts information.

\* PUT: Used to update the data rows with the submitted new form data, like editing “your thoughts” to change store thoughts data.

\* DELETE: Used to delete data row from the database using key like user id. This is used to delete a user account.

Additionally, we Using JWT (JSON Web Tokens) to authorize users and protect API routes.

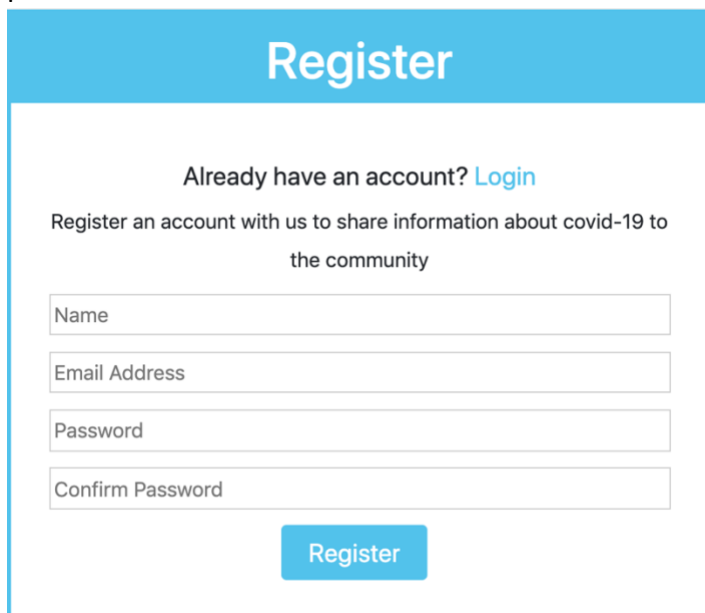
Different functionality interfaces:

- Register:

The flow of register:

1. A user visits the co-vida website and is presented a register button on the landing page.
2. If the user enters a valid email/password, a new user will be created.

The register form requires the following information: Name, email, password and confirmed password.

A screenshot of a web form titled "Register" in a blue header. Below the header, there is a link "Login" in blue text. The text "Register an account with us to share information about covid-19 to the community" is centered. There are four input fields: "Name", "Email Address", "Password", and "Confirm Password". A blue "Register" button is at the bottom right of the form.

When password does not follow certain rules, error messages will be printed as:

Passwords do not match

- Login:

The flow of login:

1. A user visits the co-vida website and is presented a login button on the landing page.
2. If the user enters a correct email/password, the component then submits that data for authentication.
3. Depending on the response it receives from the authentication API, the component responds accordingly.


The login form requires the following information:

Email and password.

# Login

Don't have an account? [Register](#)

When email/passwords does not follow rules, error messages will be printed as:

 Please include an '@' in the email address. 'dajdka' is missing an '@'.

Invalid Credentials

- Log out

The flow of log-out:

1. If a user is already logged in, then there will be a logout button on the navbar.
2. If the user click the logout button, user will be logout immediately.



- Create/Edit profile:

The flow of Create/edit profile:

1. If a user is logged in, there is a home button present in the navbar.
2. After click the home button, there will be a edit thoughts button shown.
3. After click the edit thoughts button There will be a form for user to enter profile information.
4. When user have entered all the information and clicked submit, new profile will be created or updated.

The edit profile form requires the following information:

Location, thoughts, interests and bio.

City & state suggested (eg. Boston, MA)

San Jose, CA

Please use comma separated words and sentence (eg. Horrible, Mask is terrible, Stay home forever)

Want to go out, Work from Home, Want to travel

Which specific part you are most interested about Covid-19 (eg. Data, News, Health, Policy)

Data

Something you want to share about yourself

I am a student at NEU

Submit

Go Back

- Delete account:

The flow of delete account

1. If a user is logged in, there is a home present in the navbar.
2. After click the home button, there will be a delete account button shown.
3. After click the delete account button, the user information will be deleted immediately from the database.

