



# Tech Notes Front End

## Intro

Let's imagine, you are building an Web application `Technotes Front End`, that lets user to take notes. User can take notes, add them, edit them delete them, search them and even can share them with other users for view only, that is user can share their notes to other user to view. Seems cool? Let's build this.

## More Details..

`Tech Notes` is the application we are going to build. Based on the intro you might have guessed how to accomplish this. Let's dive deep into this.

1. User needs to register themselves. You need to acquire `JWT Authentication` token to communicate with the APIs we have. Whenever `JWT Token` is expired you need to acquire a new one to continue.
2. After you have your `JWT Token` you can access the APIs to `create`, `update`, `delete` notes of your own. Also you can share your notes to other users too.
3. We believe in the design aesthetics of you and we let you design you web app accordingly. You may prefer to use `SPA - Single Page Application` if you wish. We value and welcome any valid design from you as long as you build it with `latest React and React Components`.
4. Users can take notes, edit them, delete them share them with other users and also can keep track with which user they shared their notes with. Each of these actions can have

mixed, single or independent views/pages according to your plan.

5. As We are expecting you to build this web app with `React / ReatJS` , we expect you follow the best practices, norms and methodology while working on this project. We believe you have a good sense of `State Management` whether with or without `React Components` .
6. Any third party library, tools and utilities can be used to complete this `take-home` project. Also, we believe this tools should never be used for plagiarism and you will strongly follow that.

## Few Important Points..

1. We expect you use `React` and `React JS` echo system to build this project. This Front End Web application will be backed by the REST APIs. API doc and details will be attached with the final doc.
2. You need to implement `React Component` that are small and specific to the functions. So this items can be stand-alone, you may want to test it in future, which might be easy to debug.
3. Make sure you re-use your component in an efficient way, so that project would grow cleaner.
4. Before you go, grab your coffee and start building your awesome app, please install Insomnia ,(an Open source API client to test out APIs )so that you can access the `Insomnia API Files` provided for this project. We recommend playing with the APIs first to capture how connected the APIs are and how you would like to integrate them in your super app.

## Also, We Expect..

1. You use `GitHub/Bitbucket` for you code, and let us the link so that we can have a journey with you throughout the process of

building this. Your repository should name `/technotes-frontend`

2. Your repository contains a clean `README.md` file, where you explain how to replicate your code base into our system and test accordingly. Also please be specific how we can run, debug or replicate with your codes in our hands
3. **Bonus** - After completion, you can deploy this application to `Heroku` in their free tier quota to showcase your project.