

# full stack developer - home assignment

Let's assume we have a user that can administer building tenants.

A user has a user name & password.

A tenant has a name, phone number, address, and a financial debt (Or has no debt).

A user is not a tenant.

Your Mission, Should You Choose To Accept It :- ) is to...

Design a server app and a single page web app.

A user should be able to sign-in & out.

Once signed in, the app should enable the user to perform CRUD operations on such tenant/s.

The web app should enable the user to filter the table for showing:

- All tenants
- Only those that have debts
- Only those that do not have any debt.

Note: Filter can be applied by any UI of your choice.

The web app should enable the user to search:

- Search by name (text input should be fine)

The web app should log each event of user sign-in & sign-out (user, event, time stamp)

There's no need to display the log in the client.

You should use:

- A middleware (such as jwt or other) to handle user authentication
- Promises (Promise.all if you think it is needed) or async await
- ref in mongodb (Find the usage within this assignment)

Notes:

- Please use nodejs, mongoDB and mongoose and vue/angular/react.
- Keep your code organized and commented.
- Push your code to your github and send us a link.
- Make sure the code is reusable and as abstract as possible.
- Make sure to take advantage of UI functionality and consider client-server load.

You have 3 days to complete this task.

Good luck,  
OXS R&D