

Project Presentation

Abdelmalek Bettaieb

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Plan

Overview :

1. About the Project
2. How the Project Works
3. Future Improvements

About the Project

The project is an API that helps users searching and selling Houses. It is a Nodejs application that allows to manage :

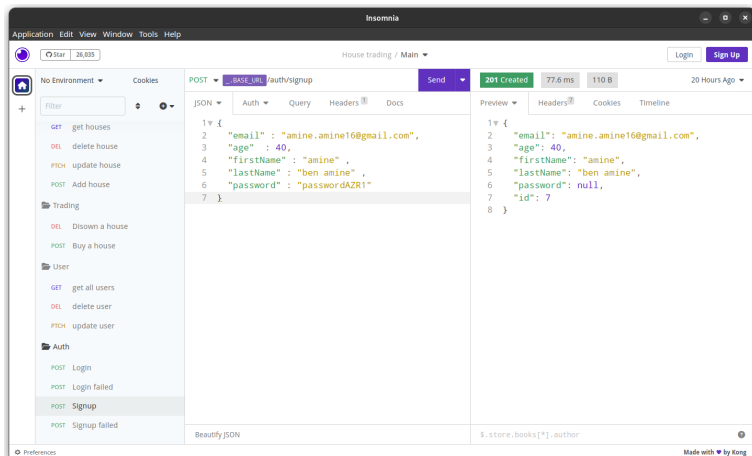
- ▶ Users
- ▶ Owners
- ▶ Houses
- The motivation behind this idea is to enable members seeking to buy/sell a house to find their best fit without intervention of third parties.

Managing Users

- ▶ Get the list of Users
- ▶ Add User (/auth/sign up)
- ▶ Update information
- ▶ Delete User
 - When an owner is deleted, his offer (house) is automatically deleted from the database.

Adding a user

Figure – Adding a user



Adding user error

Figure – Adding user error

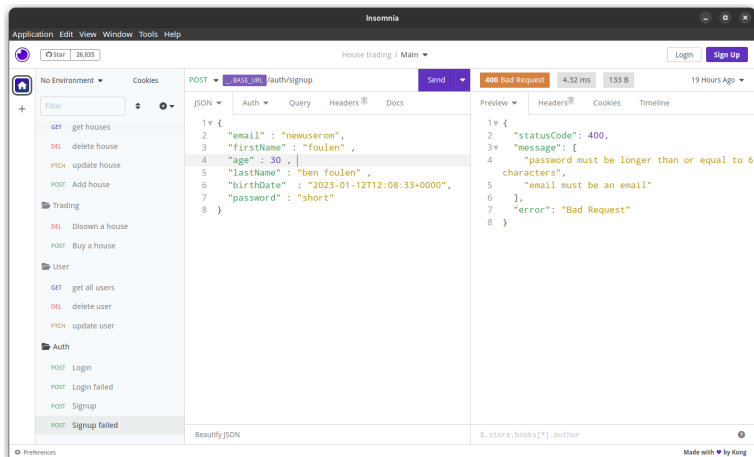
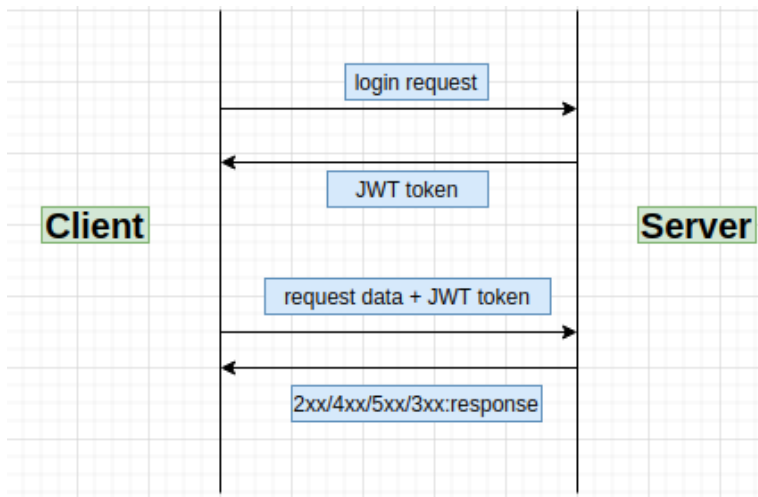


Figure – Authentication and Authorization

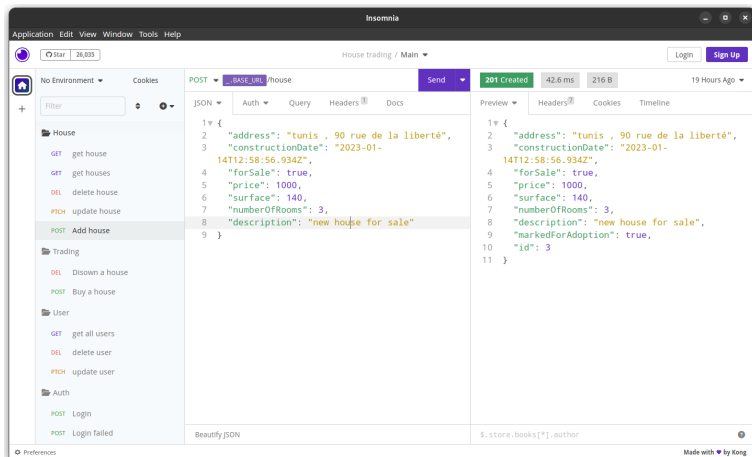


Managing Houses

- ▶ Get the list of Houses.
- ▶ Add a house for sale
- ▶ Update house information
- ▶ Delete house
 - when deleted, the owner stays unchanged along with the other offers (houses) listed. However, when the owner is deleted all his offers are deleted too.

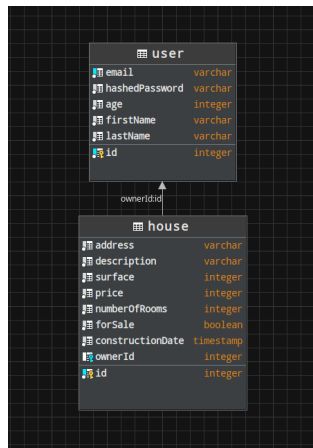
Adding House for sale

Figure – Posting a new offer



Database

Figure – Figure : screenshot of the database structure



Used Tools

Technologies Used



Github Version Control

Commands used :

- `git config --global user.name "name"`
- `git config --global user.email "email"`
- `git remote add origin "link"`
- `git add -A`
- `git commit -m`
- `git push -u origin master`

Future Improvements

- ▶ Adding a rating system
- ▶ chat between members
- ▶ Premium account where users are privileged when there are multiple offers
- ▶ Scalability; nodejs is a popular runtime software known for his potential scalability and integration with load balancers.

Thank you.