NuxtJs Forum SSR

ADWM 1 - Maxime

General description

This project is a small forum having all the essentials and being fully usable.
All user-visible sections except the home page are synched through a websocket making discussions and usability seamless and comfortable, u see messages being edited in direct, deleted, added and threads being modified or added in the same way.

It is very quick to install, make sure you have docker installed on your system and execute the available command in the readme, then it is accessible in a few minutes at the specified link.

Technologies used

TypeScript

Using TypeScript because it makes javascript less autistic to use and prevents from going insane on type errors.

NuxtJs

Was imposed to learn more in depth about SSR (server side rendering), not that complicated or different from your usual front-end framework logic.

Vuetify

Again, imposed to learn something other than the usual bootstrap, it was awesome to see we can do fully paginated components in seconds, literaly.

Mdi

Random icon-esque collection of assets packages with Vuetify, add a tad bit more life.

Pinia

Very useful to make stores and store data client side in an organized way, hub to most data transit between back and front of the solution.

Prisma

Lightweight and simple ORM to optimize database interactions in all aspects including security. Who the hell still does mainly raw sql anyways.

Difficulties / What was achieved / what can be done

There is alway some difficulty to get accustomed to a technology you have never used before or a syntax that is new, but overall there wasn't any particular difficulty, just sometimes dumb errors.
Although, the elephant in the room is the websocket which had me scratching my head to adopt a logic that would not ruin the fluidity too much.

What was achieved is unfortunately in the time range attributed and due to my poor organization skills only the strict minimum, most of it was done in a 30 hour rush which i'm finishing as i write this.

What can be done as the most important step is passing the JWT Token in all headers of requests to do permission checks on the server side thus securing in an access control related POV what was achieved, although the solution is far from secure from botting and spam, basic measures such as ReCaptchatV3 and other solutions could be considered such as a more advanced administrator system.

Anyway don't hesitate to check out this other selfmade forum https://builtbybit.com/resources/laranet.23140/ that i've had more time to work on and transformed into a licensed commercial solution.