

Setup Instructions

1. Setting up Node.js

--- DO NOT PROCEED TO OTHER SECTIONS WITHOUT SETTING UP NODE.JS ---

Setting up the server and client will require that you have Node.js installed

1. Install Node.js from here: <https://nodejs.org/en/download> **DOWNLOAD NODE v20.12.2(LTS)**
2. Open your downloads folder and find the node-v20.12.2.pkg file.
3. Execute (double click) the node-v20.12.2.pkg file and follow the steps in the guided installer
4. After completing the installation check you can access node in your terminal by running the following command:

```
foo@bar:~$ node --version
v20.12.2
```

--- DO NOT BEGIN SERVER, CLIENT, OR DATABASE WITHOUT SETTING UP NODE.JS ---

2. Setting up Database

For the database we are using a sqlite database

1. cd into ./server (RUN COMMAND FROM PROJECT ROOT)

```
foo@bar:~$ cd server
```

2. Install dependencies

```
foo@bar:~$ npm install
```

3. Generate the schema

```
foo@bar:~$ npm run schema-generate
```

4. Push the schema to the database

```
foo@bar:~$ npm run schema-push
```

5. Initialize the DB with default data

```
foo@bar:~$ npm run init-db
```

3. Setting up Server

The code for the server can be found in the server directory. We are using express.js with typescript.

COMPLETE DATABASE SETUP BEFORE PROCEEDING

STEPS ONE AND TWO CAN BE IGNORED IF DATABASE SETUP IS COMPLETED

1. cd into ./server (RUN COMMAND FROM PROJECT ROOT)

```
foo@bar:~$ cd server
```

2. Install dependencies

```
foo@bar:~$ npm install
```

3. Run the server:

```
foo@bar:~$ npm run dev

> server@1.0.0 dev
> nodemon

[nodemon] 3.1.0
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): src/**/*.
[nodemon] watching extensions: ts,json
[nodemon] starting `ts-node ./src/index.ts`
Server is running on http://localhost:3000
```

--- OPEN A NEW TERMINAL WINDOW BEFORE PROCEEDING. ---

CLIENT AND SERVER MUST BE RUNNING AT THE SAME TIME.

4. Setting up Client

The code for the client can be found in the client directory. Using React.js with Vite as the react framework and typescript.

1. cd into ./client (RUN COMMAND FROM PROJECT ROOT)

```
foo@bar:~$ cd client
```

2. Install dependencies

```
foo@bar:~$ npm install
```

3. Run the client:

```
foo@bar:~$ npm run dev

> client@0.0.0 dev
> vite

VITE v5.2.9  ready in 327 ms

➔ Local:   http://localhost:5173/
➔ Network: use --host to expose
➔ press h + enter to show help
```

4. Open <http://localhost:5173/login> in your browser.

You should be presented with a login screen with three users to select from.