

Home Assignment

The following assignment is meant to be done in your own time, with any resource you can or need to use. Please write your own code and make sure you're able to fully explain it.

Task:

Develop a basic billing system, which enables the merchant to manage his store. In this task we will focus on customers and transaction entities.

Instructions:

- Please review the sample [data.json](#) file (You can use it as an initial input).
- You will have 2 main entities: customers & transactions.
- Propose a schema for this data.
- Set up a db and init it with some data.
- Create a basic CRUD for the transaction entity (UI & REST API):
 - Create a new transaction.
 - Update a transaction.
 - Delete a transaction.
 - View all transactions.

Bonus:

- Add CRUD for the customers.
- Display the customer location on a map.

Guidelines:

- Use Node.js to implement this task. You can use any framework that you want.
- No need for fancy CSS and design work (You may use a library like Bootstrap) but write in SASS.
- Use React.
- The data should be persistent. You may choose any database you want. Explain the reason behind it.
- Keep it **simple but clean**, we're not looking for complex/acrobatic logic
- Relevant Aspects: Code organization, dynamicness, scalability, DRY, naming and standards
- Use typescript.
- Write a basic README that explains how to run and set up everything (Consider using docker-compose).
- Commit and Push your code to Github
- If you think that something needs to be done and you don't have time please add it to the TODO section in your readme file.

