

Inventory Project

Introduction:

The purpose of this project was to build a simple application that can manage and track an inventory of different items. To keep a record of the inventory, it will have a MySQL database to store the data.

The back-end functionality was designed using the spring boot framework.

The front-end functionality was designed using simple HTML, CSS, and JavaScript. In addition, Vue JS was used to insert dynamic content into the HTML file.

Structure:

The following diagram represent the structure of the application interface (API) functionality.

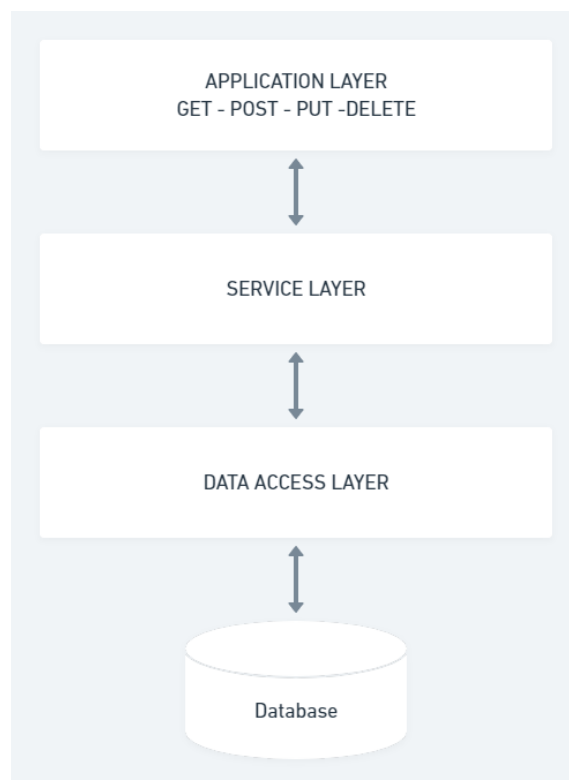


Figure 1. Layer structure of the application.

The application layer controls all the operations to be performed by the application. It links to the service layer.

The service layer contains all the business logic of the application. It redirects to the data access layer to exchange information with the database.

The data access layer is the bridge to get, add, edit, or delete information from the data base.

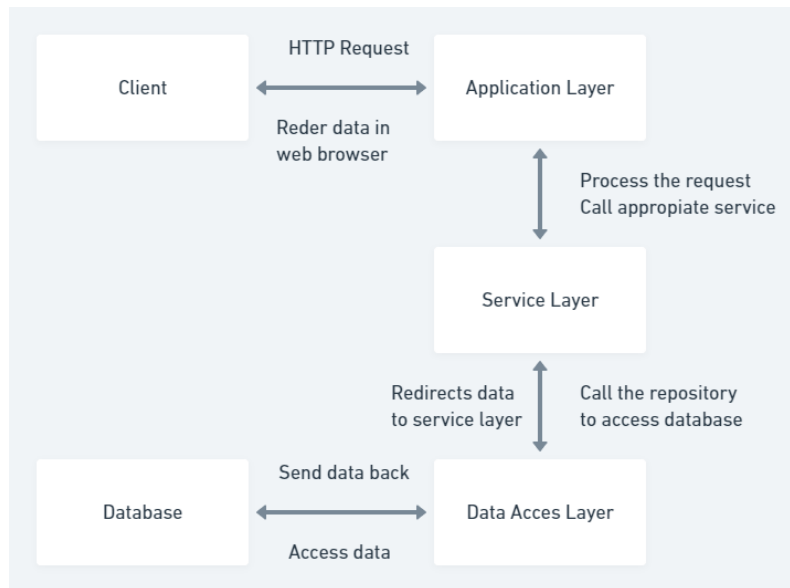


Figure 2. Example of data request.

Sample screen captures of the application:

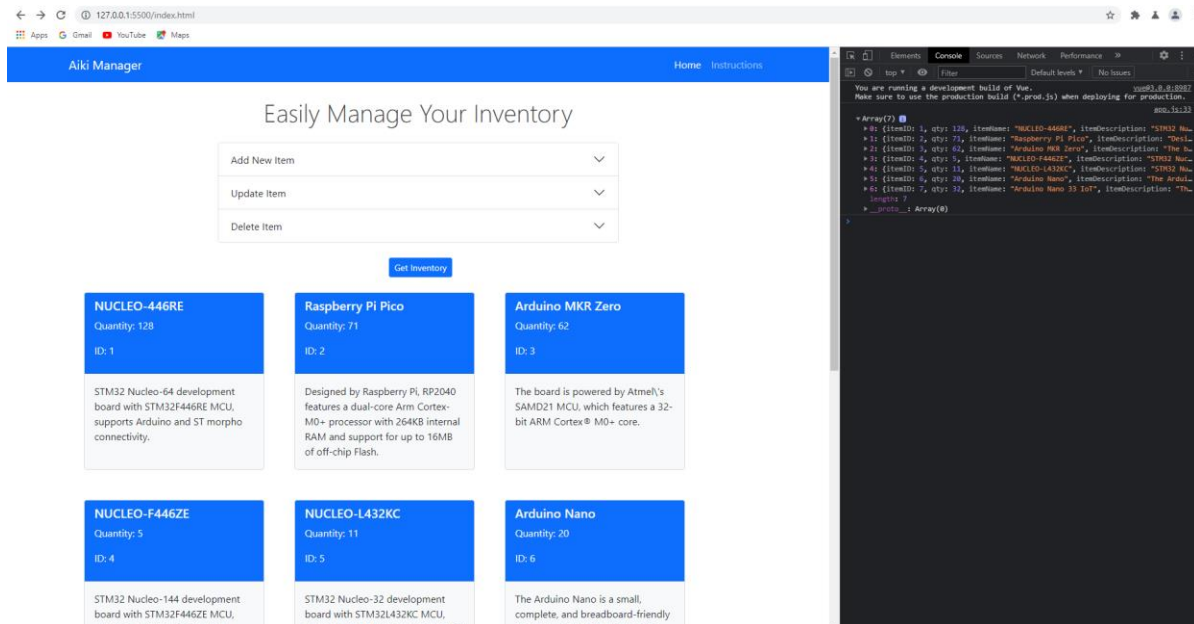


Figure 3. UI of the application.

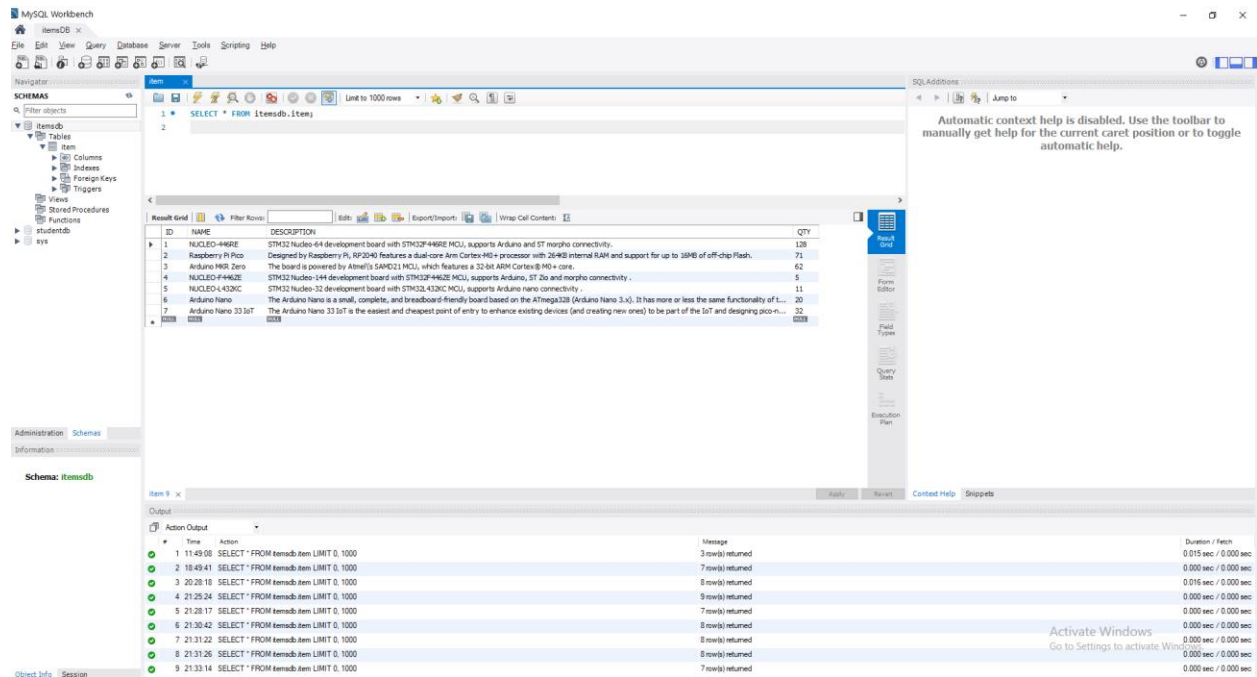


Figure 6. Database capture.

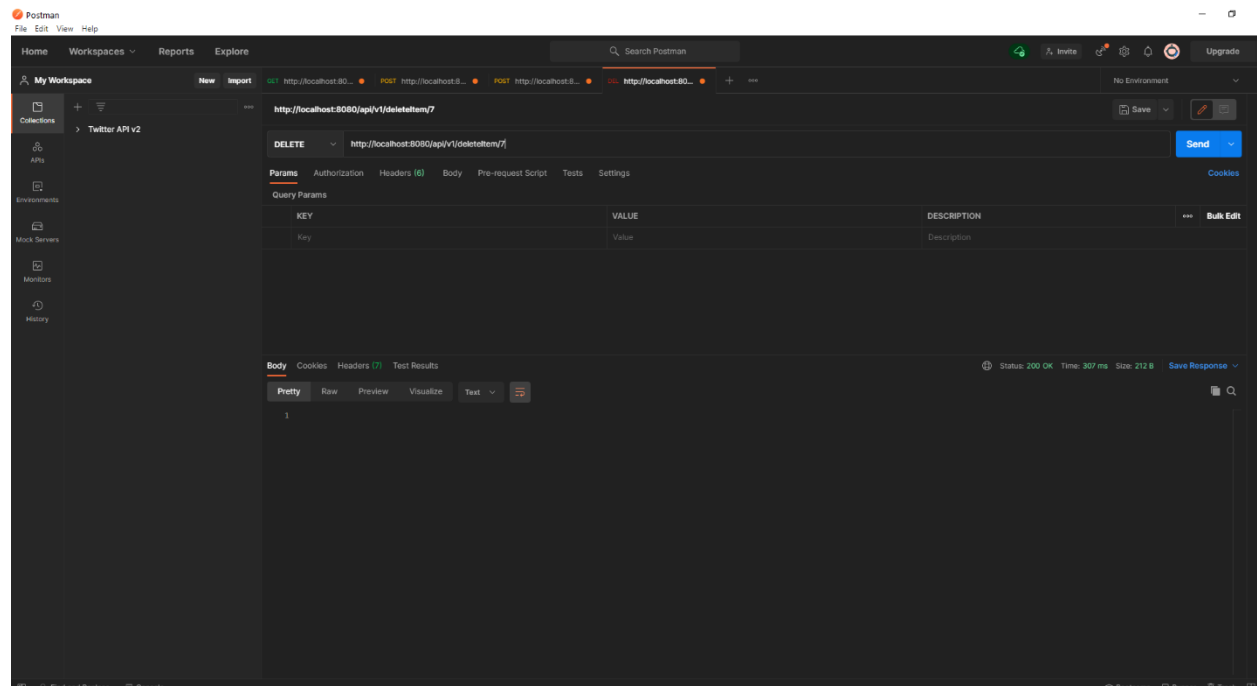


Figure 7. Postman test API application.