

Version 1.1

Jubelio Fullstack Engineer Project Test

Test Duration : 3 Days

In this test, we want you to create a simple E-Commerce Web App. You will create Web API endpoints for Product and display list of all product, and detail product. You will integrate with Elevance API to fetch all product list and import to database.

Technology stack:

- Frontend:
 - UI library: React.js
 - State management: MobX (<https://mobx.js.org/>)
- Backend:
 - JS Platform: Node.js (<https://nodejs.org/>)
 - API framework: Hapi.js (<https://hapijs.com/>)
- Database:
 - Postgresql

Requirement:

- Fetching all product list from Elevance API and import to database.
- The data of the product must have **Name, SKU, Image, Price, and Description**.
- SKU cannot be duplicate, and Description can be null.
- Create the **secure Web API** endpoints of Product.
- Display list of all products (with product image) in card layout theme, and editable detail product inside modal popup.
- Must use infinite scroll for pagination
- User can add new product and save to database.
- User can edit or delete existing product and save to database.
- Use a raw SQL query, instead of ORM.
- Provide migration script for create table in database.
- Use API key: **721407f393e84a28593374cc2b347a98** to integrate with Elevance API. The Elevance Open API documentation will provide in separate file.

Non-Functional Requirement:

- Good, sensible file structuring that promotes modularity and good separation of logical/UI layers.
- Adhere a good coding practices.
- Add a unit testing script for Web API is a big plus.
- Responsive UI display is a big plus.
- Configuring full stack logging & tracing is a big plus.
- Set customized Lints that encourage good coding practices is a big plus.
- Preferable to use a distributed version control system.
- Clear instructions on how to run your app locally. Please provide clear explanations about your project and how do we run it locally (using README.md is preferable).
- Delivering with a file zip is big no.