WHAT PROFESSOR NEEDS: Application design documentation should include the Entities, Repositories and Web API class diagrams. If you have not used Web API, explain how you did it without Web API

Entities:

The main objects in our application ,we have two main entities:Product and User

Product Entity:

* id: String
* title: String
* image: String
* price: String
* rating: String
* description: String
* brand: String
* stock: Number

User Entity:

* username: String
* password: String
* type: String (customer or seller)

Customer :

* + surname: String
  + shipping\_address: String
  + balance: Number

Seller:

* + bank\_account :String
  + company\_name :String

Repositories:

In our case we are using JSON and local storage so we do not have separate repository layer, instead we are interacting directly directly with the JSON data sources using JavaScript to fetch the data to local storage then all these use cases and interactions are handled directly within your JavaScript code without the need for a web API.