# Assignment – 2: API Exercise

# Enterprise Software Architecture

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## GitHub repo link – <https://github.com/saivittalb/e-commerce-backend.git>

## **Credentials for .env file**

### **For Product Microservice**

MONGODB\_URI="mongodb://saivittalb:zNPT0BGzo7il31Qf@e-commerce-demo-shard-00-00.rdax9.mongodb.net:27017,e-commerce-demo-shard-00-01.rdax9.mongodb.net:27017,e-commerce-demo-shard-00-02.rdax9.mongodb.net:27017/product?ssl=true&replicaSet=atlas-pq9f8i-shard-0&authSource=admin&retryWrites=true&w=majority"

### **For User Cart Microservice**

MONGODB\_URI="mongodb://saivittalb:zNPT0BGzo7il31Qf@e-commerce-demo-shard-00-00.rdax9.mongodb.net:27017,e-commerce-demo-shard-00-01.rdax9.mongodb.net:27017,e-commerce-demo-shard-00-02.rdax9.mongodb.net:27017/user-cart?ssl=true&replicaSet=atlas-pq9f8i-shard-0&authSource=admin&retryWrites=true&w=majority"

## Instructions to setup and run the microservice

Can be found in the ‘Instructions’ section in the README.md file in the above provided GitHub repo.

## APIs and their behavior

Can be found in the ‘APIs and their behavior’ section in the README.md file in the above provided GitHub repo.

**Note**:

Both the micro-services are hosted in the same repo for easier setup and demonstration. ‘Product Microservice’ runs on the port 3000 and ‘User Cart Microservice’ runs on the port 4000.

All necessary validations, tests, and flow were performed and adapted precisely which were both inside and outside the scope of the provided design specifications document. More APIs were created than the provided one to increase the dynamic nature and connectivity between the two microservices. The extra APIs created will not be exposed to the end-user and will only serve a purpose for the admin who is maintaining the whole service. REST API standards were followed. Most of the corner cases were taken into consideration.