

Technologies

Server: NodeJS

Client: PostMan

Database: MongoDB/Mongoose

Task

Create a NodeJS implementation of the server components required to provide data from a MongoDB database instance to the Javascript client described in Project 1.

To complete this project, you will need database entities like the following:

- Product (description, image, pricing, shipping cost)
- User (email, password, username, purchase history, shipping address)
- Comments (product, user, rating, image(s), text)
- Cart (products, quantities, user)
- Order (recording of a sale)

You will test your project using PostMan to validate your endpoints behave appropriately in both success and failure cases. Provide captured test output as part of your assignment submission. You should, in theory, be able to use the same PostMan tests for assignments 2-4.

Marks: rubrics

Distribution of marks is as follows:

- Proper use of DevOps/Git: 20%
- Correct and complete MongoDB implementation: 20%
- Correct and complete NodeJS API endpoints: 30%
- Full suite of PostMan tests: 20%
- Presentation: 10% during class on Tuesday August 8th 2023

Note: You do not need to email me about the assignment. Just upload files in the dropbox.

If you do not contribute to the project as evidenced by Git repository commits, your mark will be reduced from the group's mark.