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 Assignment 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 collection for assignments 2-4.

Marks: Please see rubrics to understand the marking

Distribution of marks is as follows: (Please see rubrics for more details )

• Proper use of DevOps/Git: 10%

• Correct and complete MongoDB implementation: 20%

• Correct and complete NodeJS API endpoints: 30%

• Full suite of Postman tests: 30%

To best demonstrate your project in action, please create a short video of your application, demonstrating all the required and optional elements you have completed. The submission of a video is worth up to 10%. Include a database schema and the output of your Postman test run in your Git repository to receive full credit.

**If you do not contribute to the project as evidenced by Git repository commits, your mark will be reduced accordingly.**