ASSIGNMENT FOR FULL STACK

Overview: Backend

An API project should be created using **.NET Core Web API** and following parameters will be considered when doing the evaluations from our end.

- Any architectural design (e.g., MVC)
- Unit test
- Integration test
- Clean and readable code

A simple ecommerce backend application is required but needs to cover only 2 objects and not all. The two objects are User and Product and the relevant properties are mentioned below.

- Product properties:
  - ✓ Category
  - ✓ Product code (should be a unique one e.g.: P01, P02, etc...)
  - ✓ Name
  - ✓ Image should be able to be saved in the local storage.
  - ✓ Price
  - ✓ Minimum Quantity
  - ✓ Discount Rate
- User properties:
  - ✓ User name (should be a unique one)
  - ✓ Password
  - ✓ Email address (should be a unique one)
  - ✓ Last login time

Every API end point which is being developed here should be authenticated by using JWT token. If the token gets expired there should be a refreshing mechanism to use the same API again without generating a new one.

Either Microsoft SQL Server will be used as the database, stored procedures and entity frame work.

kindly please create script or a database backup and attached it when you finish this assignment.

Overview: Frontend

Develop a frontend application using Angular. Candidates should develop the frontend login function and the product display. Evaluation will happen based on the following criteria,

- Any architectural design (e.g., Atomic)
- State management using RxJS etc.…
- Front end best practices.
- Clean and readable code.
- Component testing using Jest or Cypress
- Integration testing using Enzyme or Cypress.

Note: kindly please within 2 days of sharing this assignment, the source code needs to be forwarded to WhatsApp mobile number 01091118072.
If you need any clarification in this regard please phone me or send me message via WhatsApp within 12 hrs of receiving the assignment.

Best regards and good luck