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Mini Project of Backend Server Development

Requirement of Project:

Milestone 1

- A merchant service should be written with Node.js and using MySQL DB as a persistent storage
- A merchant service will expose several APIs with these functions
    - A merchant could register itself/create an account in the merchant service
    - A merchant could remove its data/delete its account in the merchant service
    - A merchant could add products in the merchant service
    - A merchant could delete a product in the merchant service
    - A merchant could update a product in the merchant service
    - A merchant could get the list of its products from the merchant service
    - A validation is needed to validate the data based on their respective format
    - Merchant information that a merchant service needed is
        - id
        - name (required, min: 3, max 50)
        - email (required, email, min: 10)
        - password (required, min: 6)
        - address (required)
        - phone_number (required, numeric)
    - Product information that is needed is
        - id
        - merchant_id
        - name (required, min: 3, max: 50)
        - quantity (required, min:1, numeric)
        - price (required, min: 10000, numeric)
- Commit the working code to git

Milestone 2

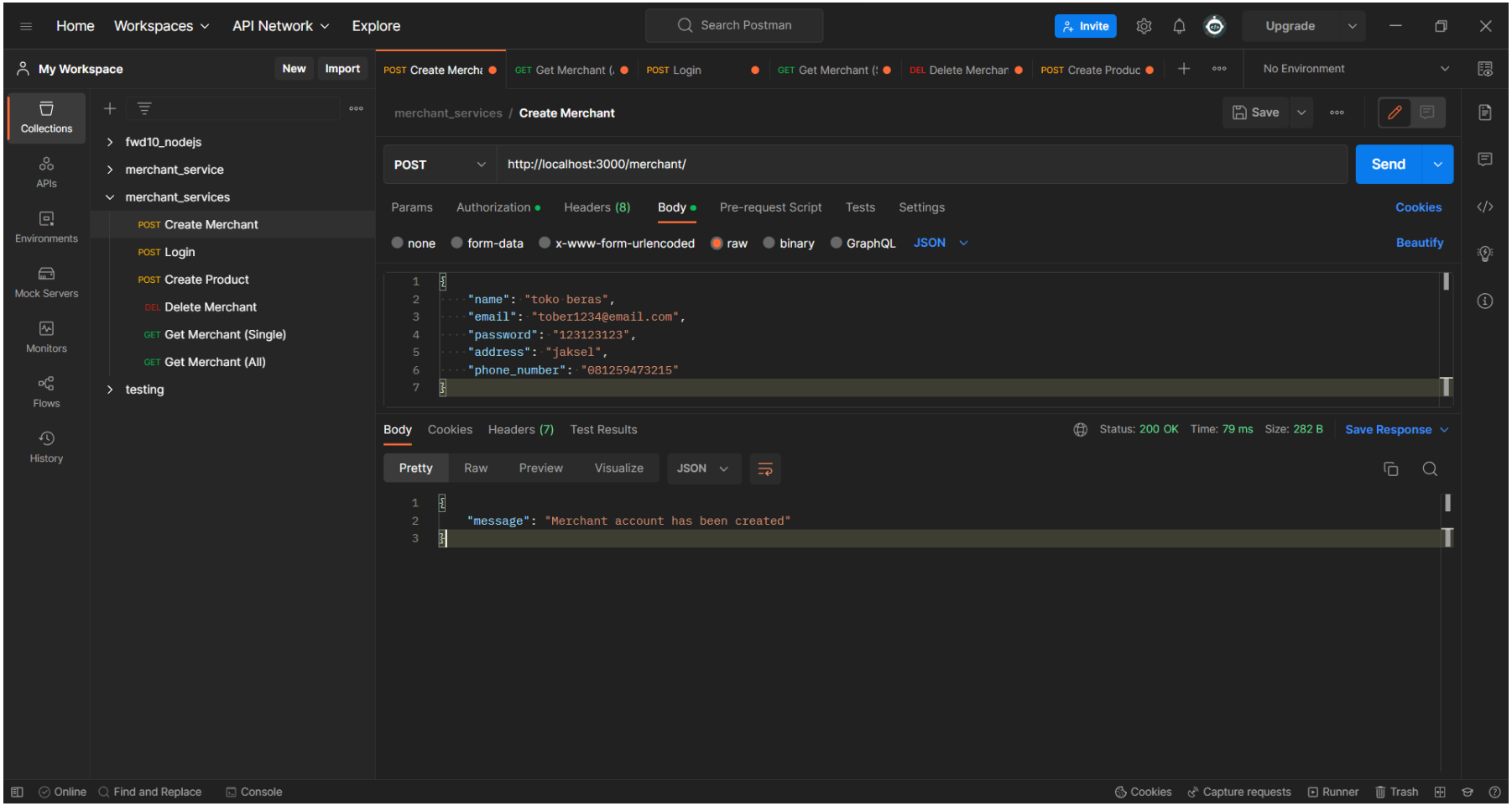
- Add a /login api to authenticate user
- Authentication using Basic Auth (username and password)
- Commit the working code to git

Milestone 3

- Add JWT authorization as access_token to access resources after user logged in
- JWT is passed in Auth header as Bearer token
- Commit the working code to git

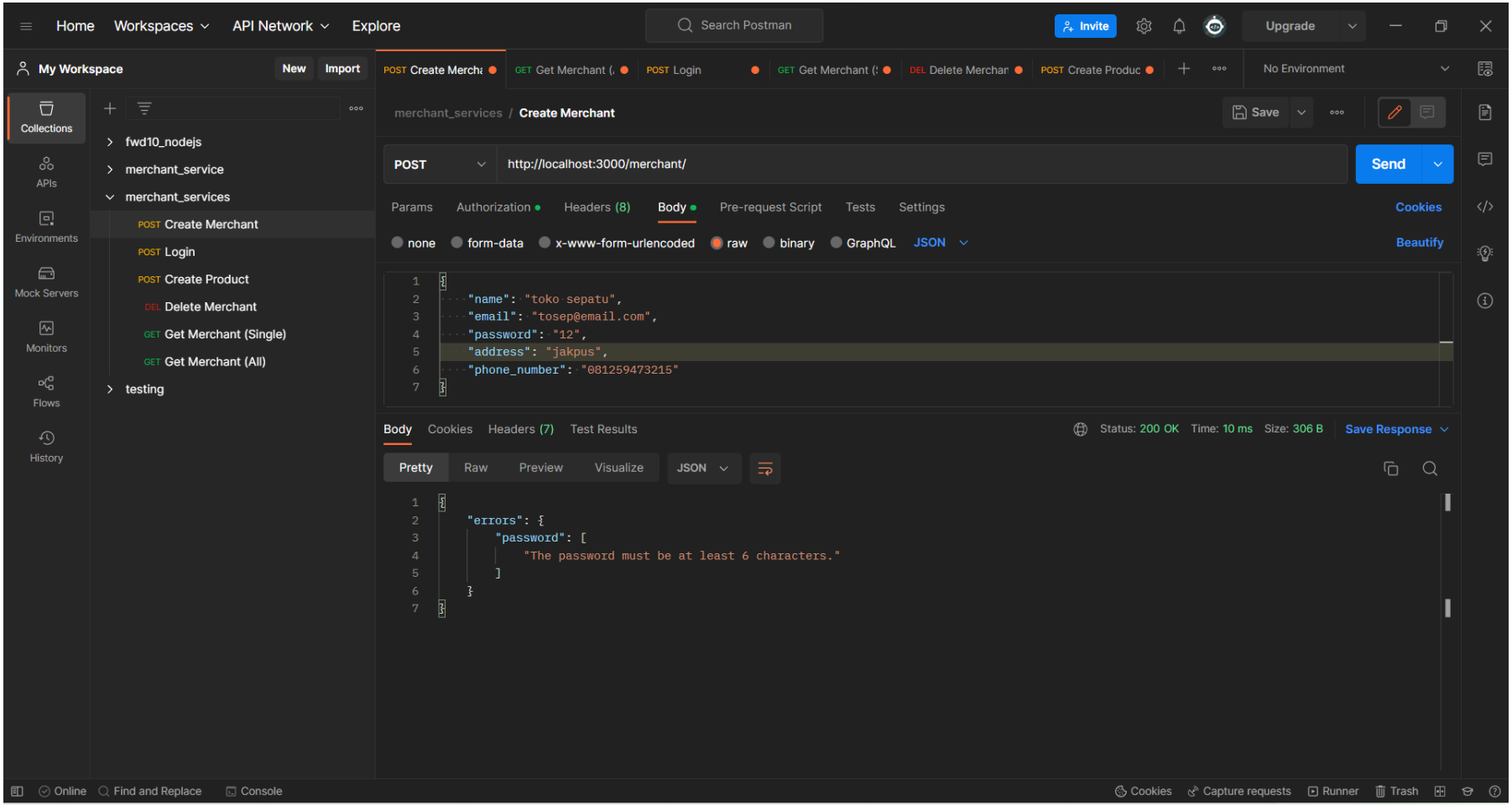
1) Screenshot: Implementation of *A merchant could register itself/create an account in the merchant service*

Successfully to create or register merchant account



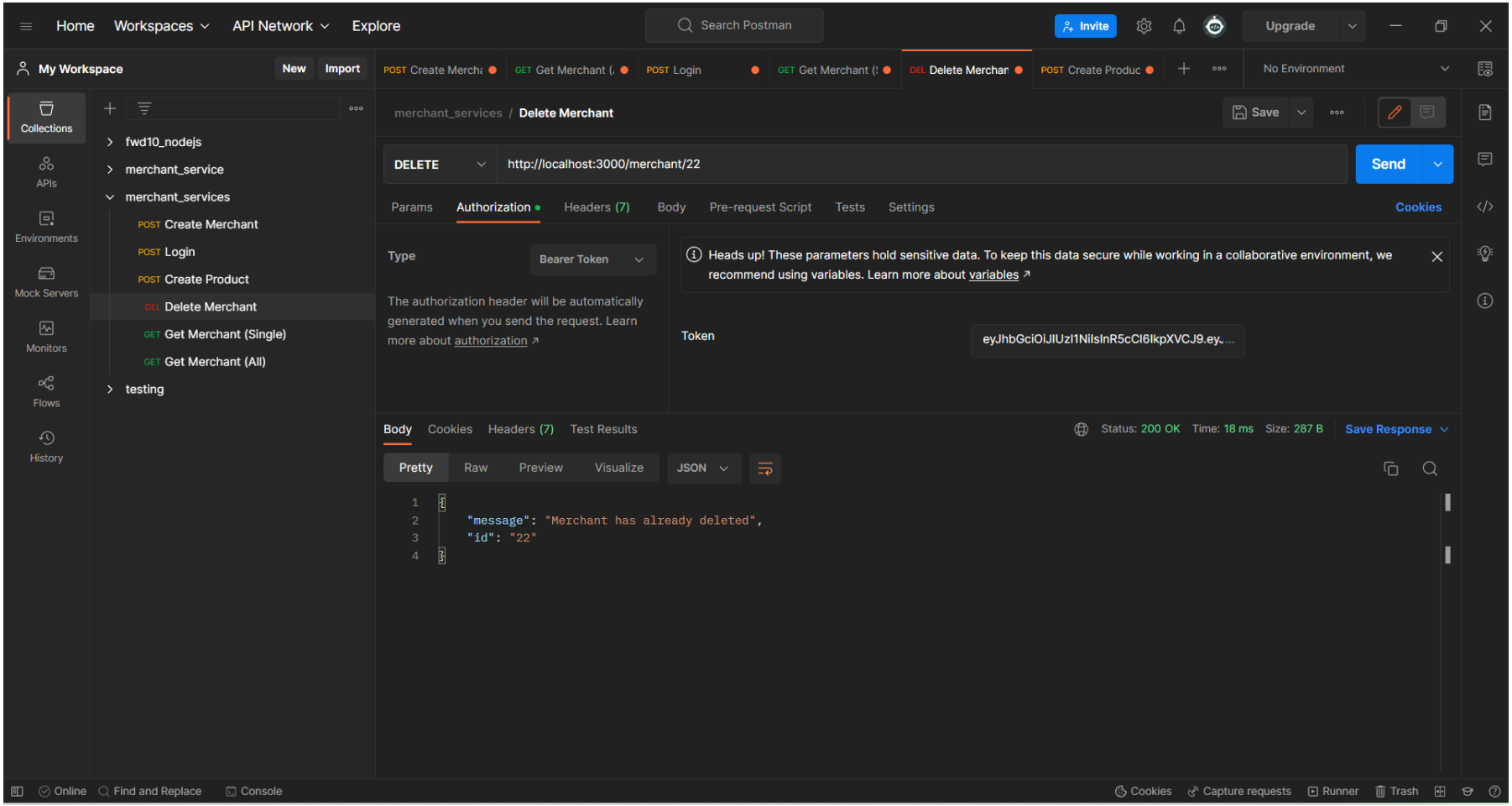
2) Screenshot: Implementation of *A merchant could register itself/create an account in the merchant service* and *merchant validation*

It's failed to register or create account because password character is less than 6 characters



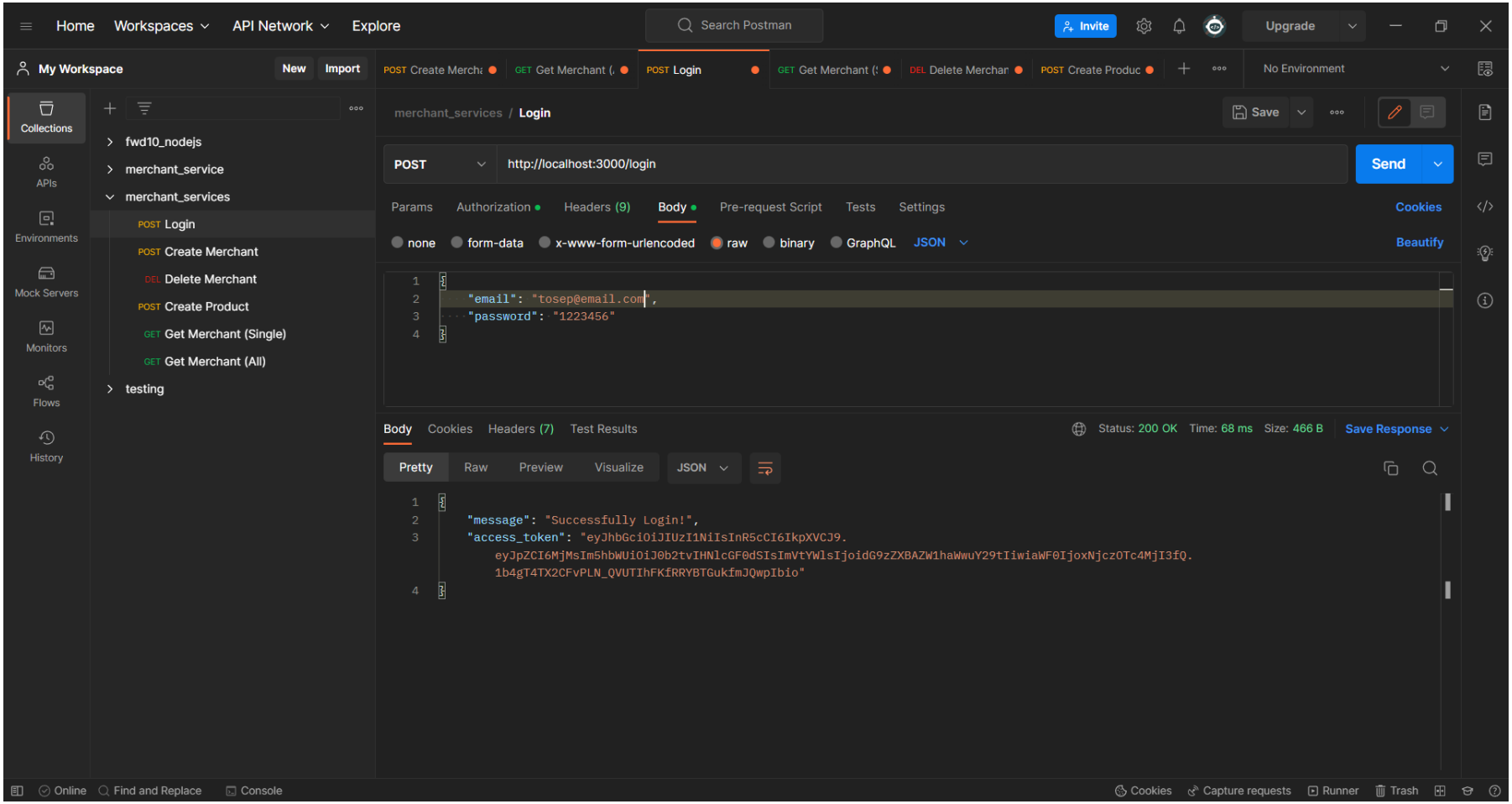
3) Screenshot: Implementation of *A merchant could remove its data/delete its account in the merchant service*

Successfully to delete merchant account



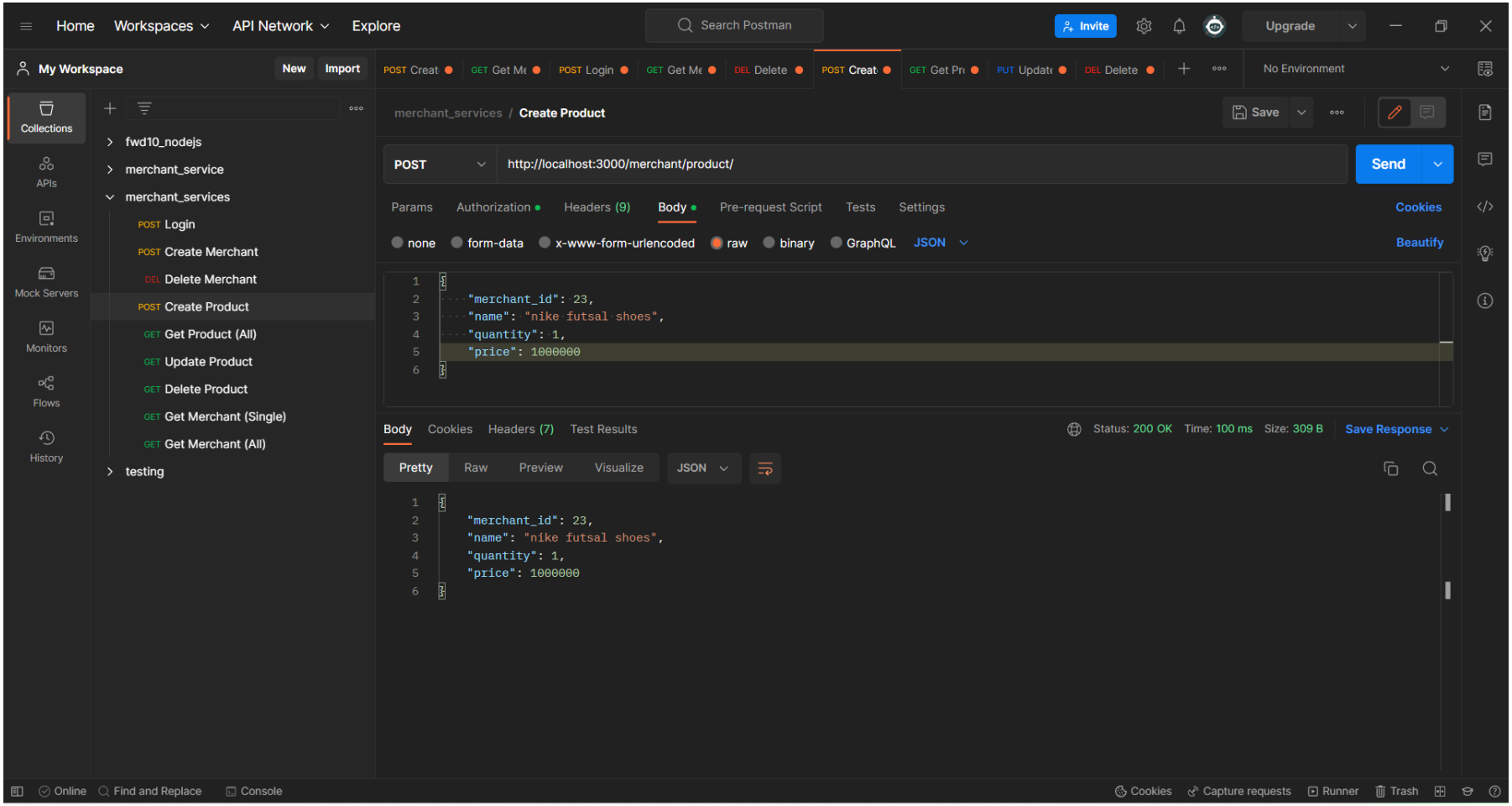
4) Screenshot: Implementation of *Add a /login api to authenticate user, Authentication using Basic Auth (email and password), Add JWT authorization as access_token & JWT is passed in Auth header as Bearer token*

Successfully login to authenticate user with its email and password



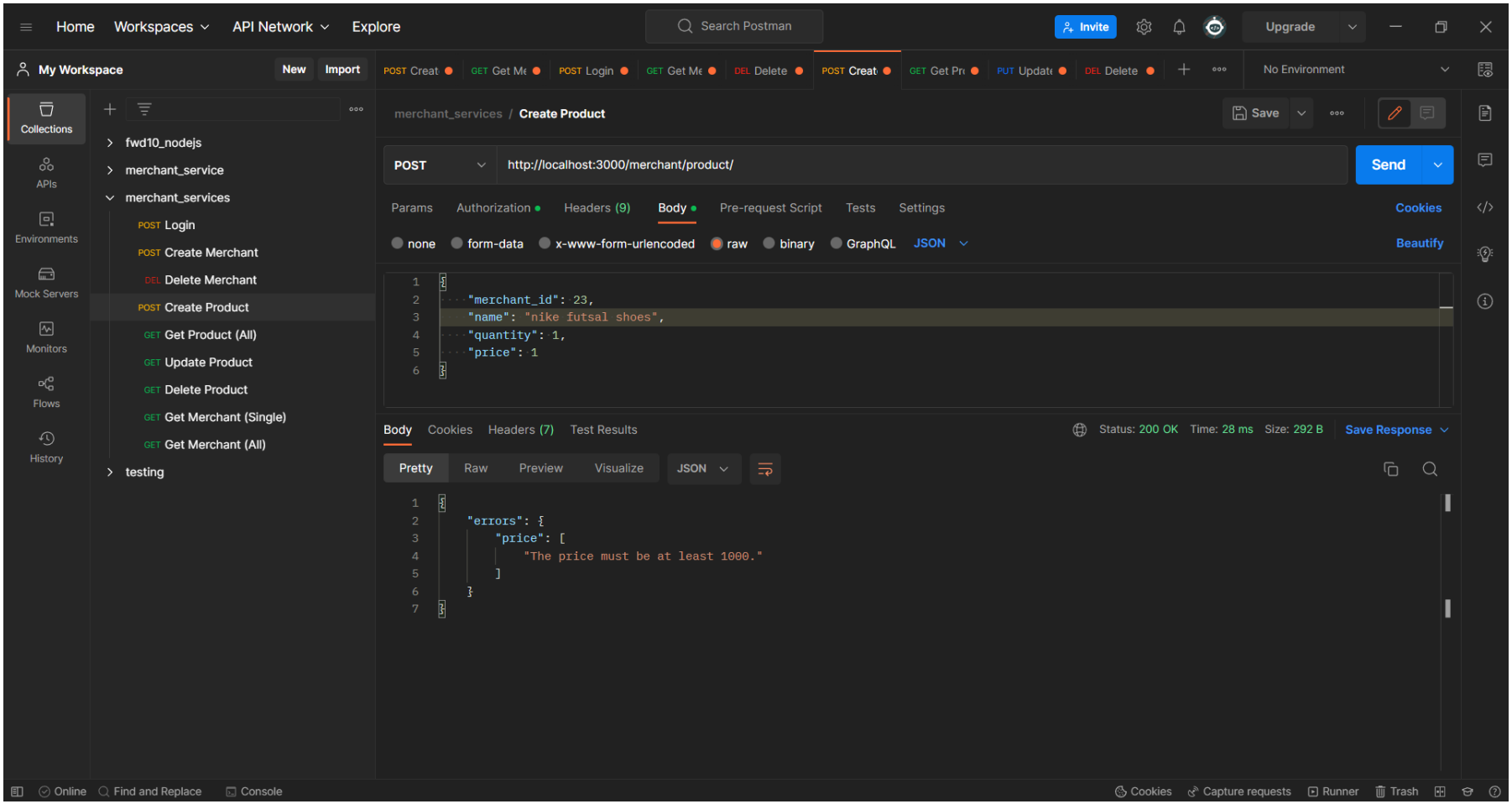
5) Screenshot: Implementation of *A merchant could add products in the merchant service*

Successfully to create or add product in merchant account



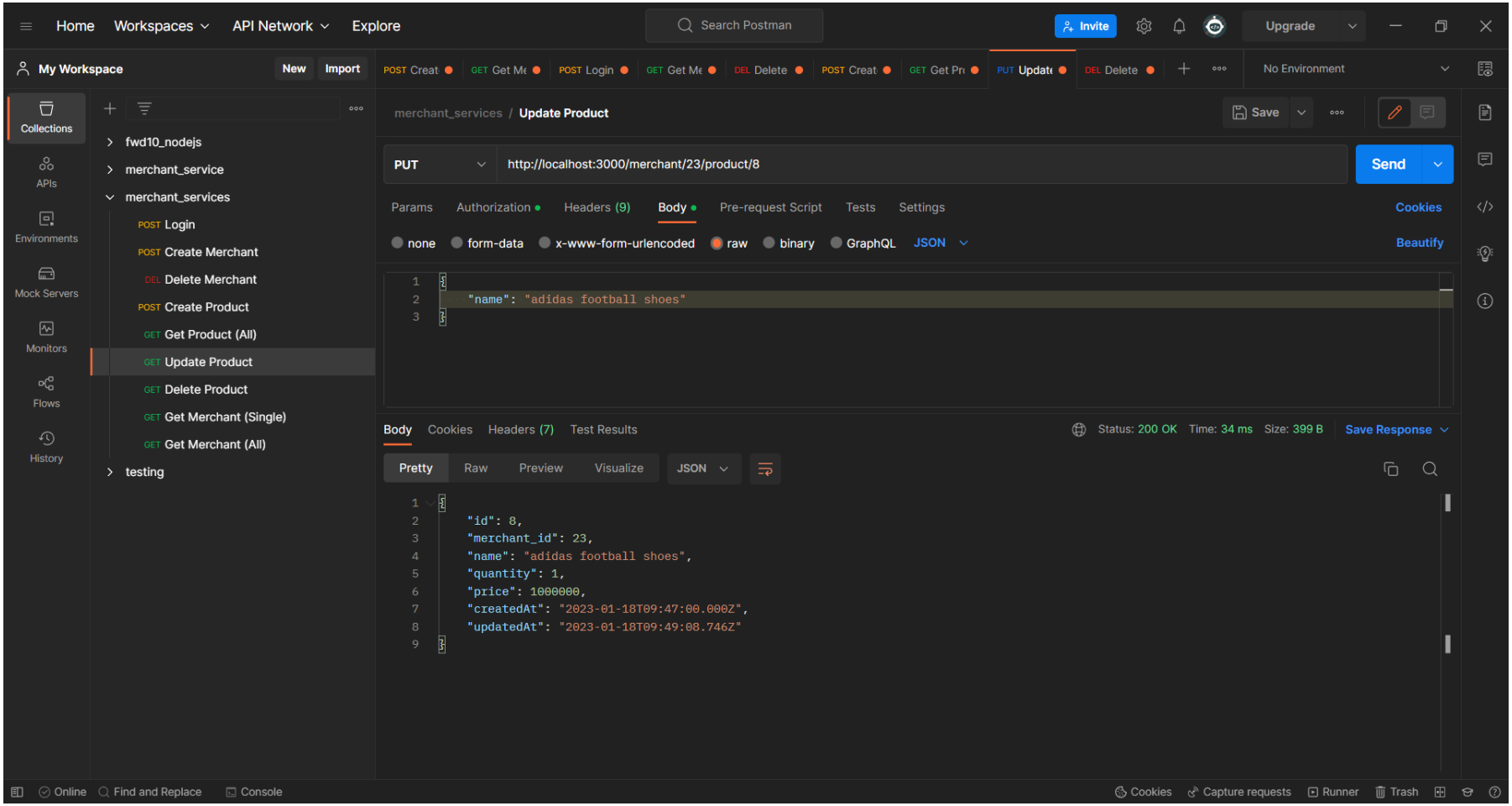
6) Screenshot: Implementation of *A merchant could add products in the merchant service and product validation*

It’s failed to create or add product in merchant account because the price data is less than 1000



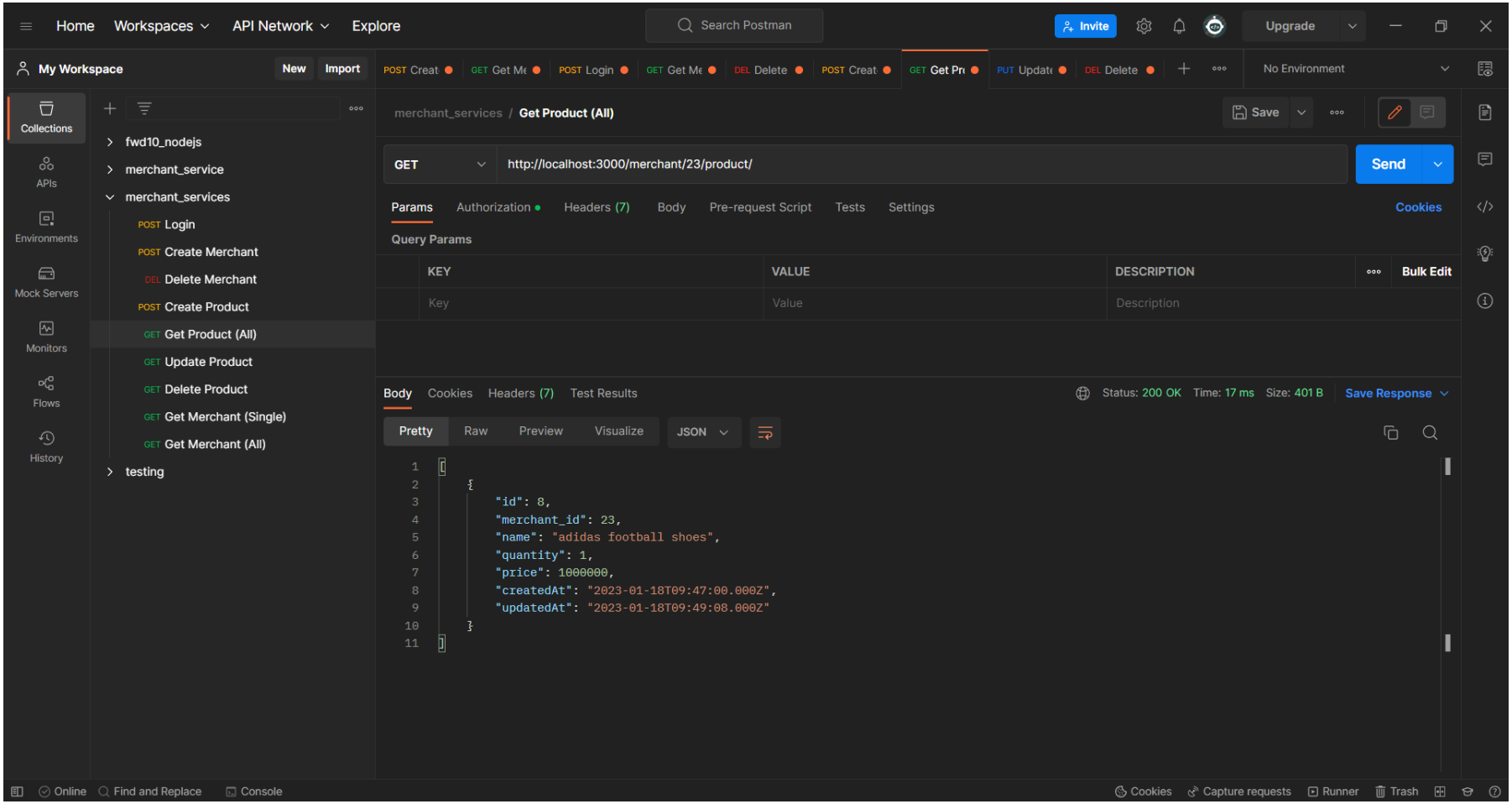
7) Screenshot: Implementation of *A merchant could update a product in the merchant service*

Successfully to update the name of product from “nike futsal shoes” to “adidas football shoes”



8) Screenshot: Implementation of *A merchant could get the list of its products from the merchant service*

Successfully to get all product in merchant account



9) Screenshot: Implementation of *A merchant could delete a product in the merchant service*

Successfully to remove the specific product in merchant account