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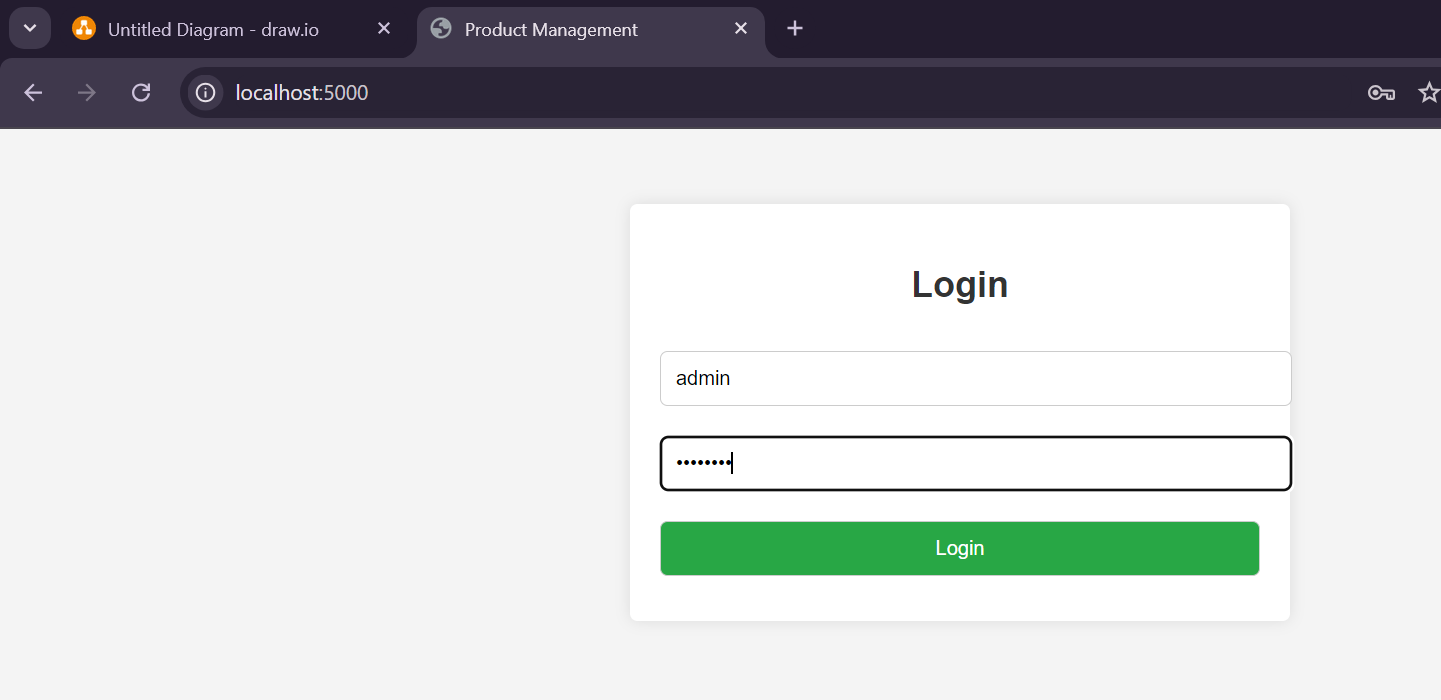
# 

# User Permissions to simulate

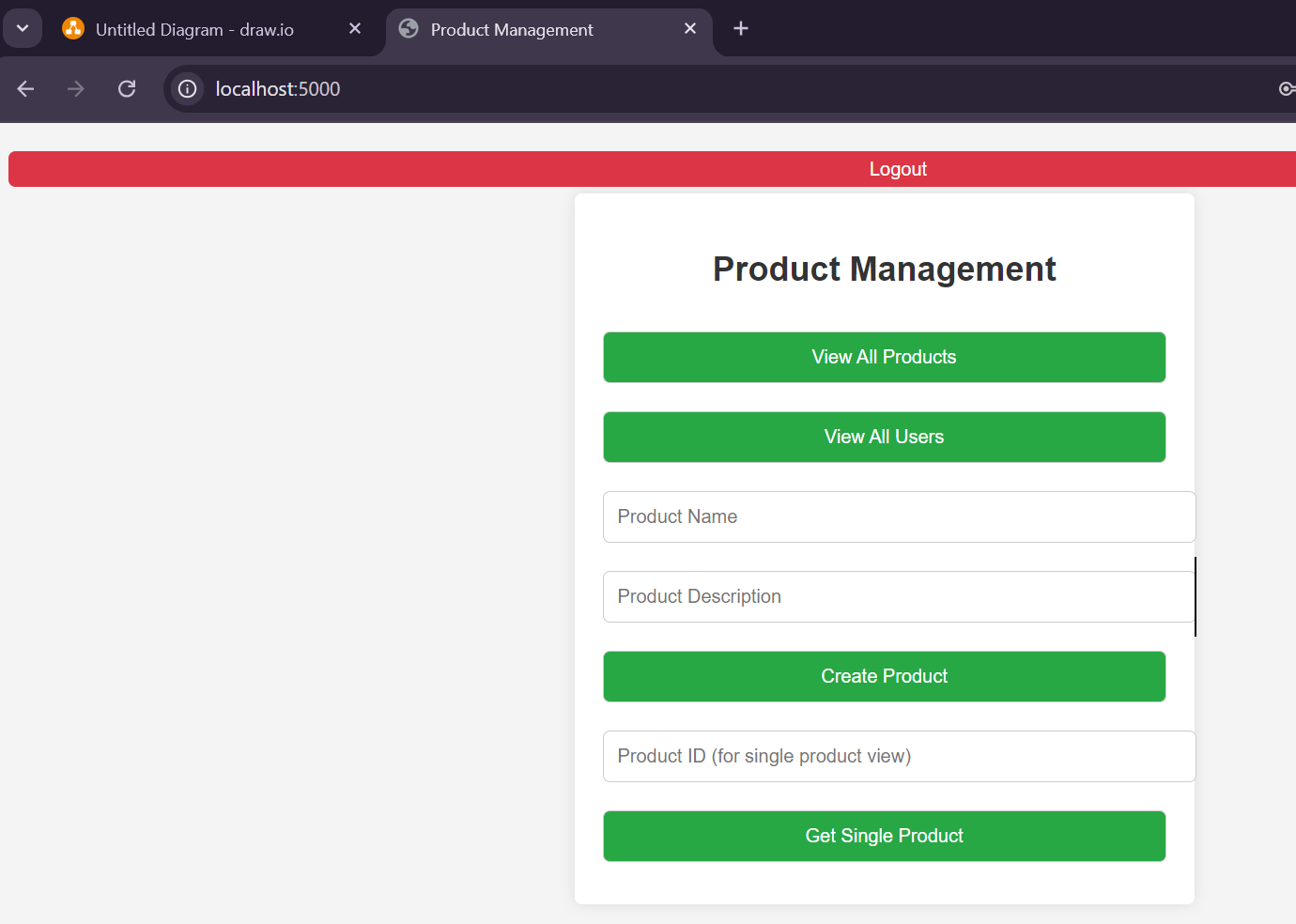
|  |  |  |  |
| --- | --- | --- | --- |
| User Type | **Method name** | **Results** | **Restrictions** |
| Admin | AddProduct | Product is saved successfully | 1. Product name must be unique. |
| **Non-Admin but Privileged User** | AddProduct | Error message with relevant http status code | NIL |
| Privileged User | GetProducts | Product list | 1. Show appropriate message if no products. |
| **Anonymous user** | GetProducts | Error message with relevant http status code | NIL |
| Privileged User | GetProduct(ProductId) | Product | 1. Show appropriate message if not found. |

# Begin

1. Login as Admin as admin is only user available
   1. Username: admin
   2. Password : password

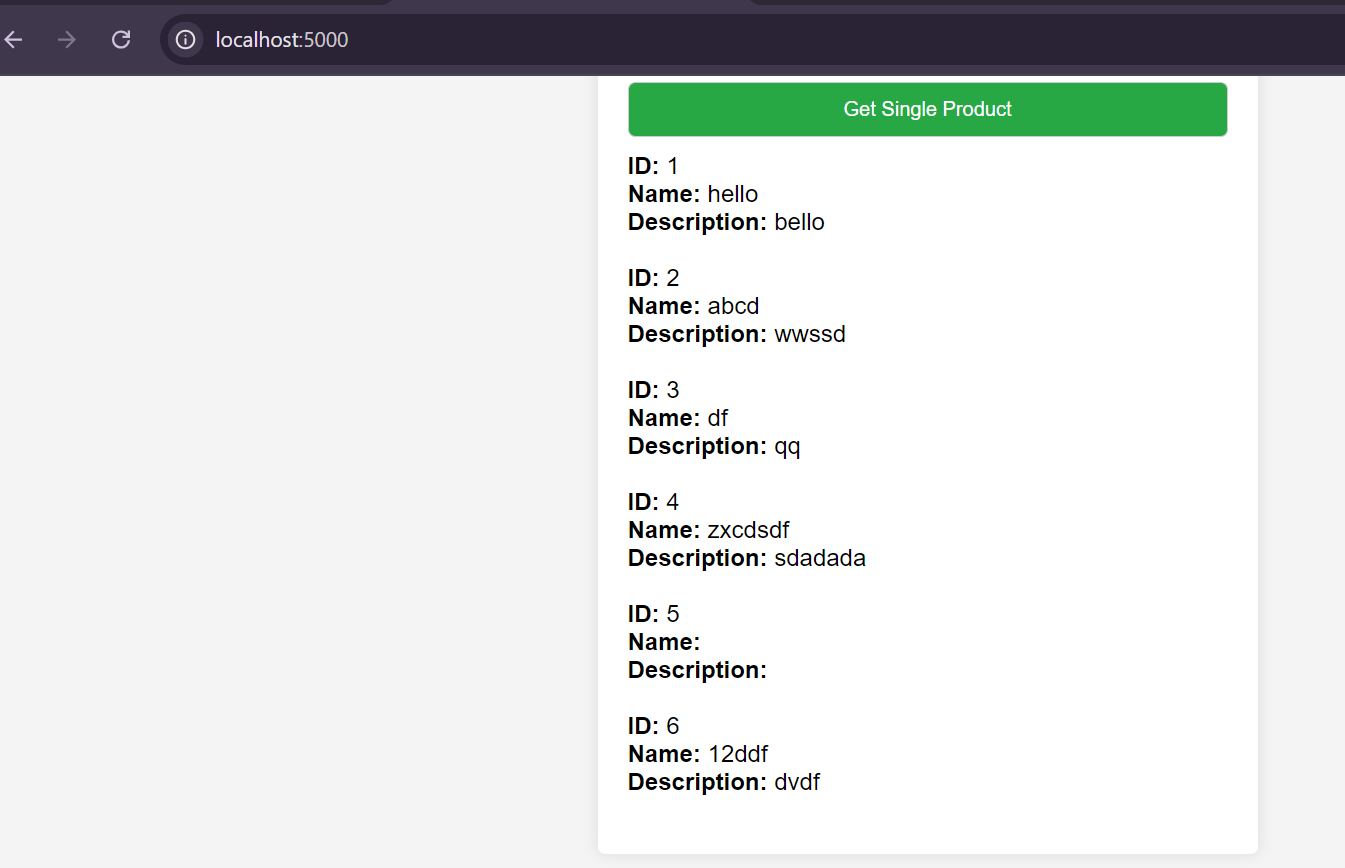


1. Front end after successful login

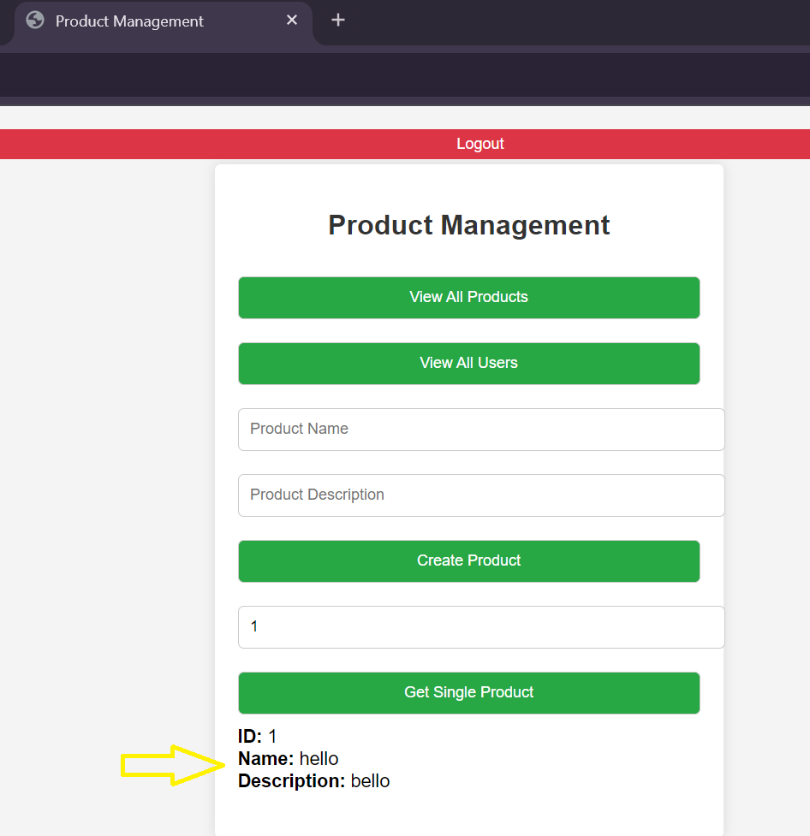


## Performing action as admin

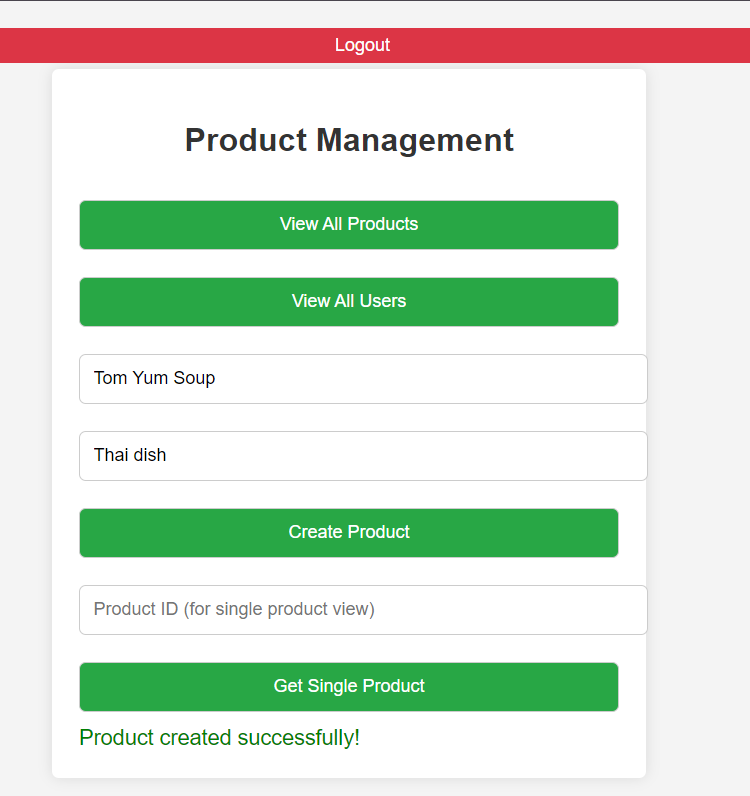
1. View all products – **Admin is allowed**



1. Query single product



1. Create product

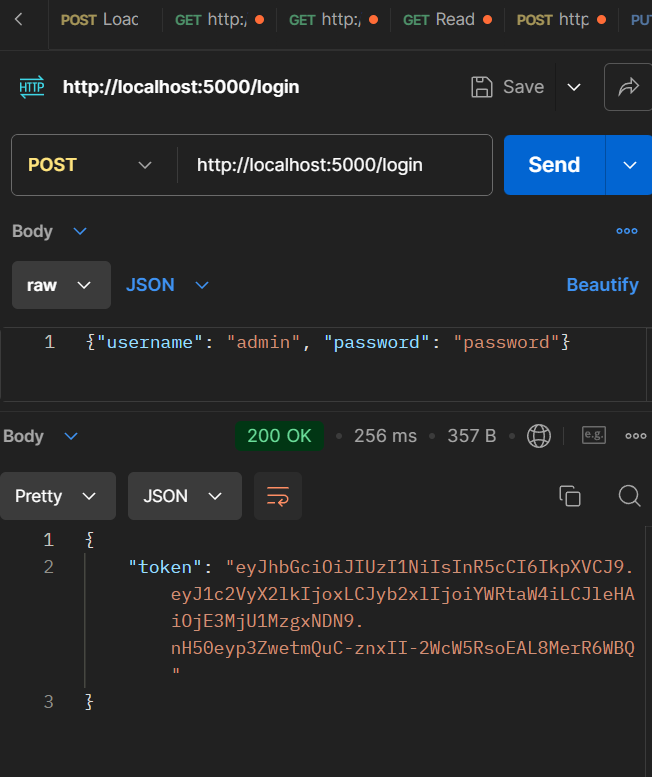


## Creating another user with privilege

1. Only available through api call and to admin role

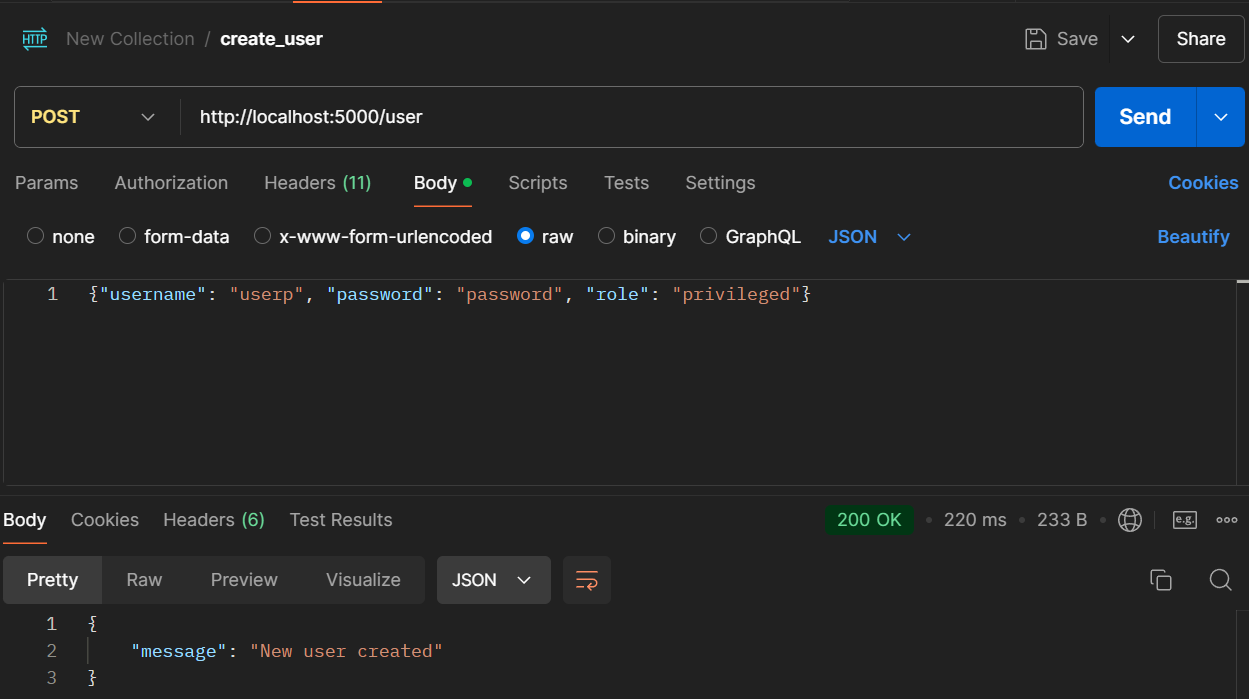
|  |
| --- |
| curl --location 'http://localhost:5000/login' \  --header 'Content-Type: application/json' \  --data '{"username": "admin", "password": "password"}' |

1. Get Token (JWT)



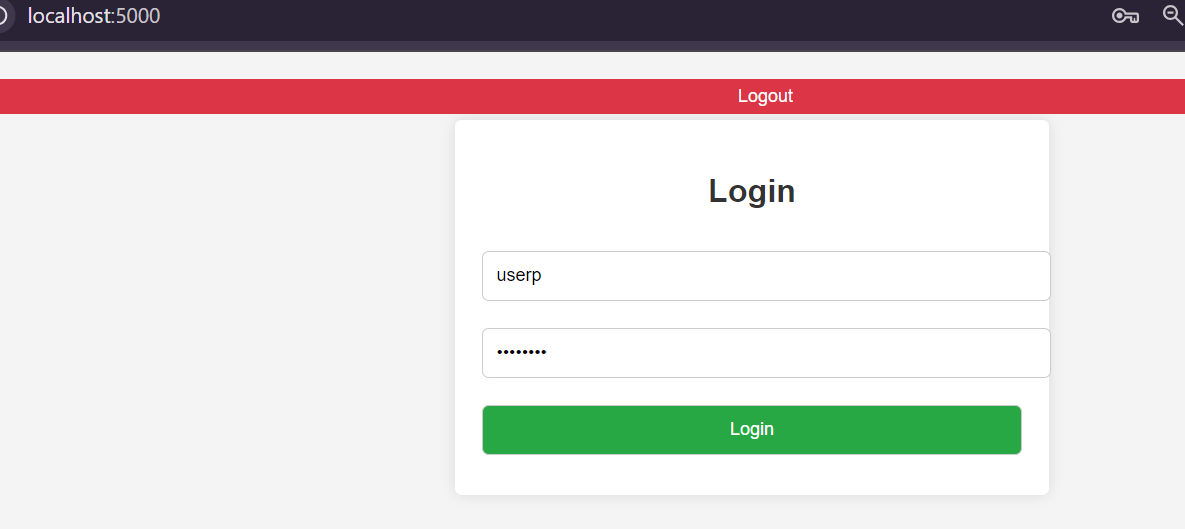
1. Use the token to make API calls

|  |
| --- |
| curl --location 'http://localhost:5000/user' \  --header 'Content-Type: application/json' \  --header 'x-access-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjoxLCJyb2xlIjoiYWRtaW4iLCJleHAiOjE3MjU1MzgxNDN9.nH50eyp3ZwetmQuC-znxII-2WcW5RsoEAL8MerR6WBQ' \  --data '{"username": "userp", "password": "password", "role": "privileged "}' |

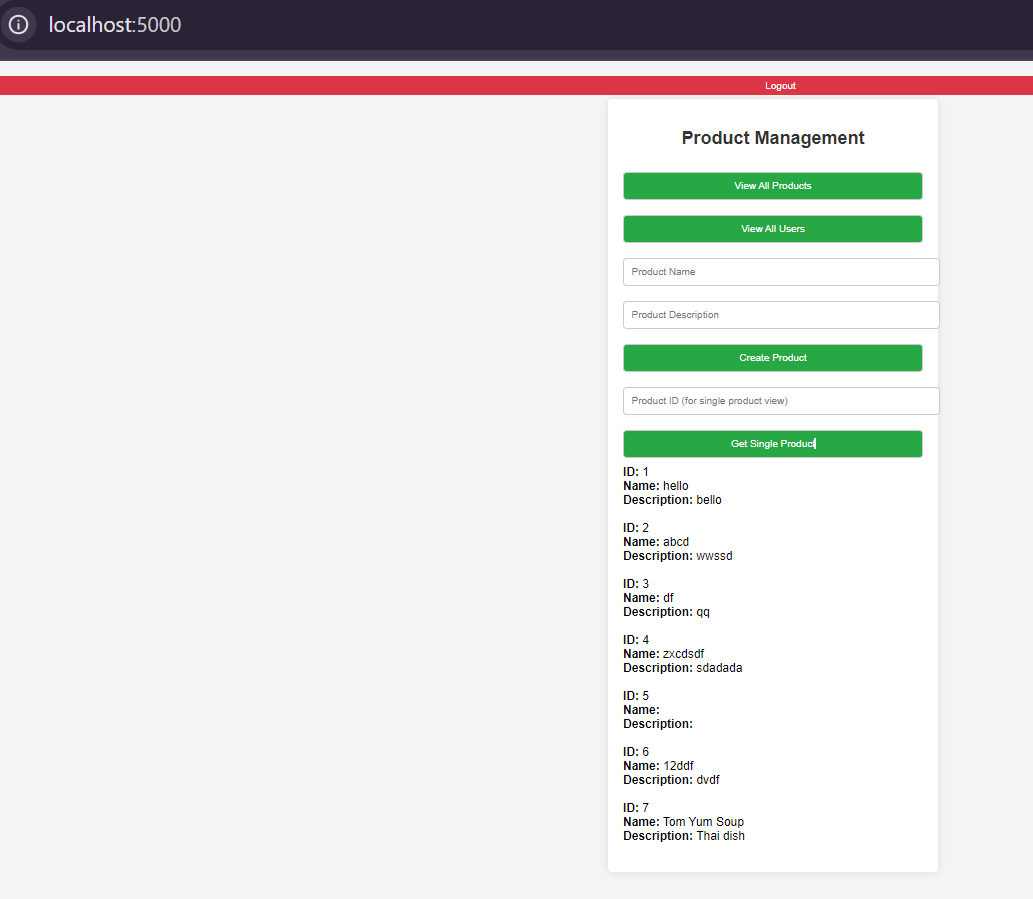


## Interacting as privileged user

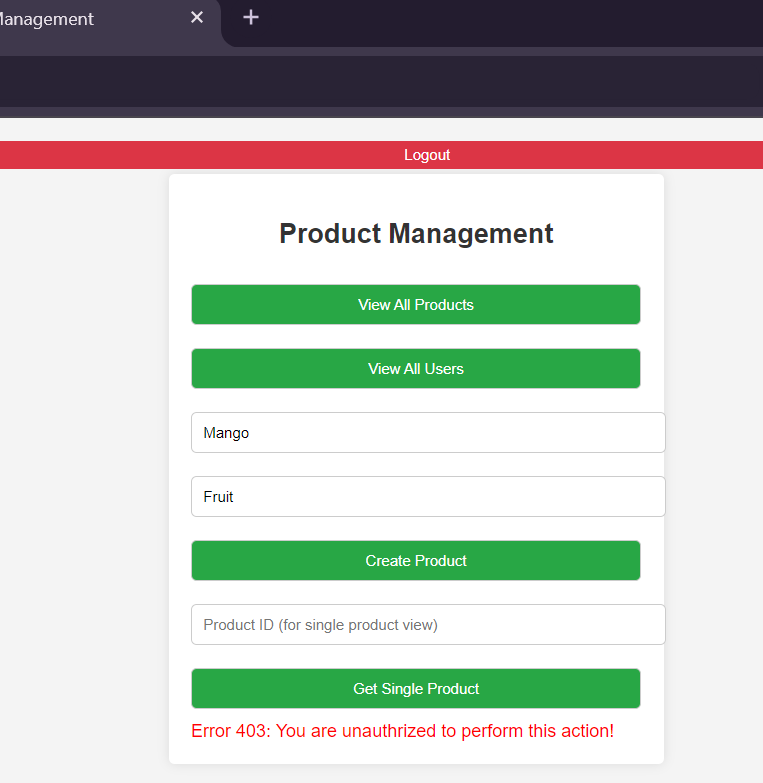
1. Login



1. View all products – Allowed to privileged users

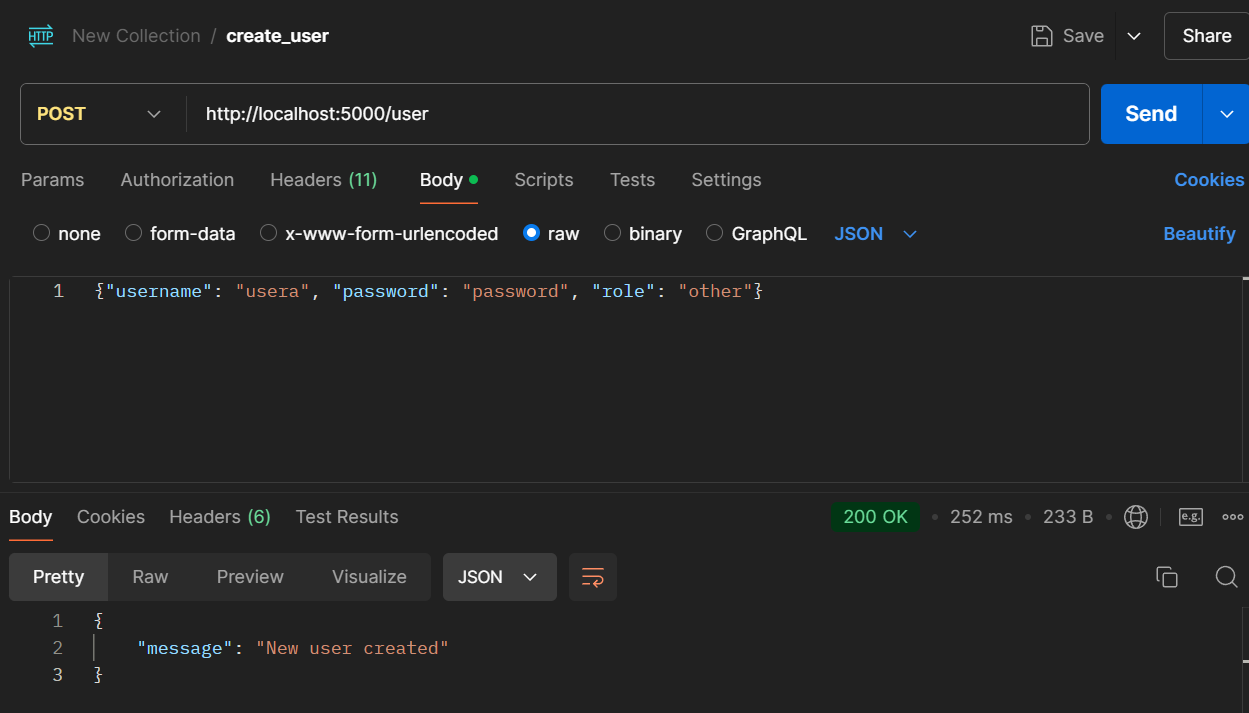


1. Create Product – Unauthorized

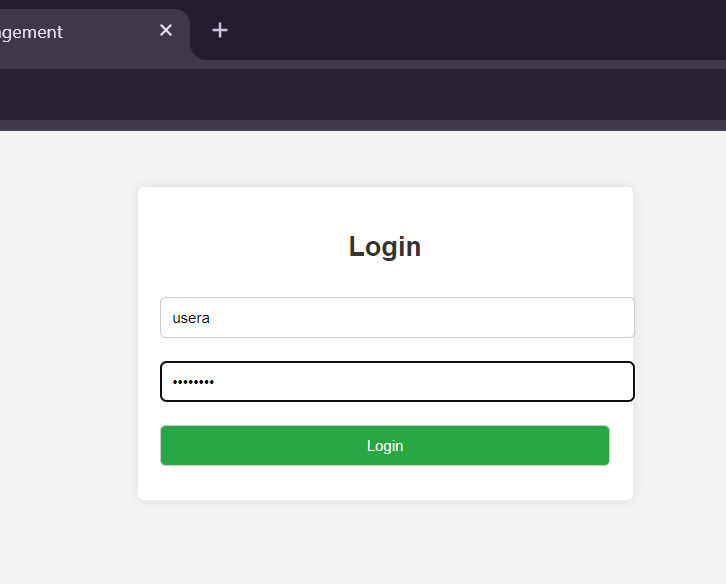


## Interacting as anonymous user

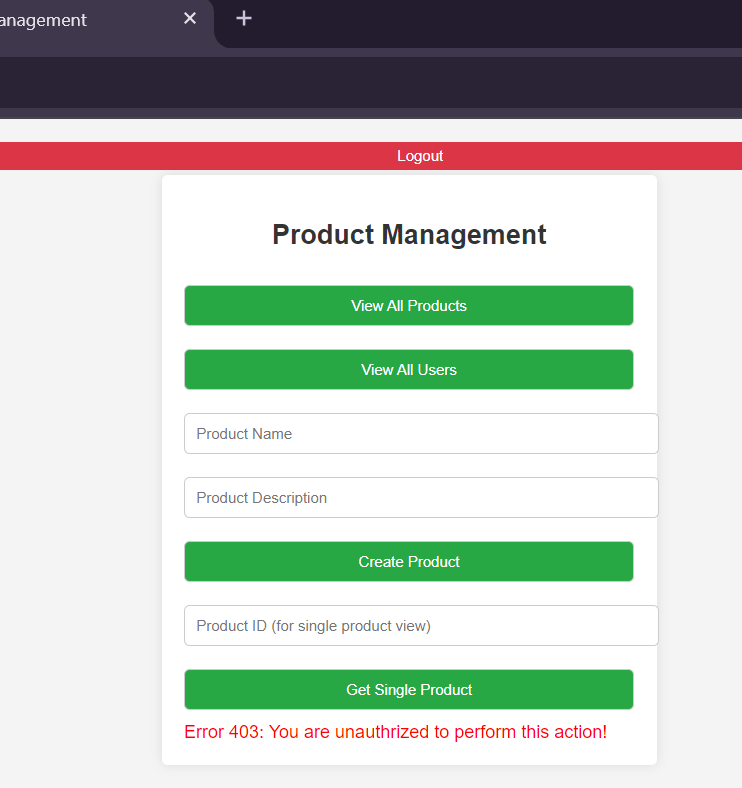
Note : Admin creates a user with other role



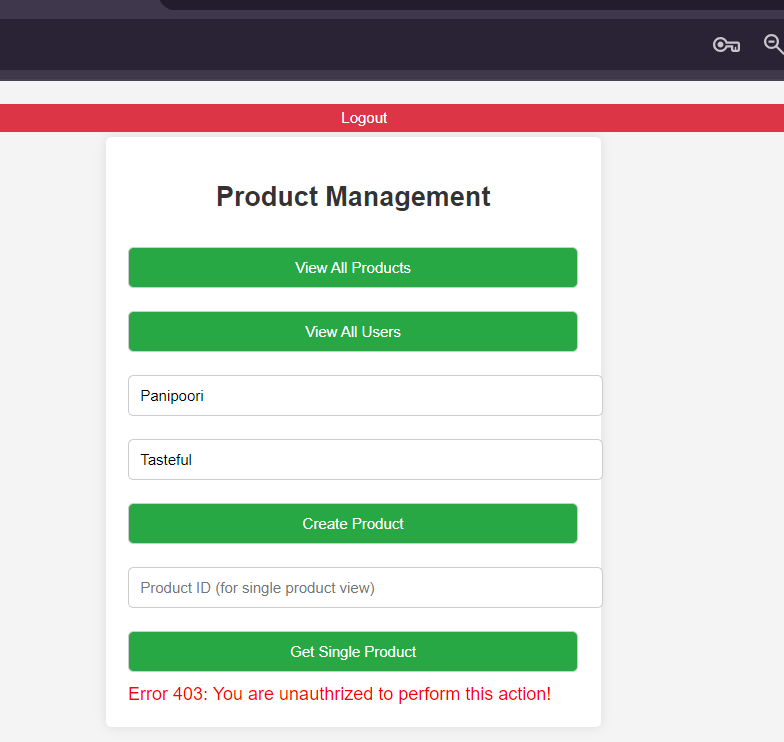
1. Login as anon user



1. View products – Unauthorized



1. Create product - Unauthorized



1. Query product

