

E-commerce Backend API

1. For user register

- POST : <http://localhost:5000/api/register>

Request :

```
{  
  "username": "Deepak",  
  "password": "D123",  
  "role": "admin"  
}
```

Response :

```
{  
  
  "message": "User created successfully"  
}
```

- POST :

<http://localhost:5000/api/login>

Response :

```
{  
  "token":  
  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiI2Nzg1ZGRIZDYyNjUxMzgwZjVlZDJhNDkiLCJpYXQiOiE3MzY4MjY1MjE5ImlV4cCI6MTczNjgzMDEyMX0.ar_TZefmRCPyCvqabPeKOTQ81WNYaCx3JksU1F3v6Dc"  
}
```

(Add this token in postman Auth For validation users Without this token admin can't add any products.)

2. Add new products (Admin only)

- POST : <http://localhost:5000/api/products>

Request :

```
{  
  "name": "Wireless Mouse",  
  "description": "A sleek and ergonomic wireless mouse with adjustable DPI settings."  
}
```

```
"price": 29.99,  
"stock": 150  
}  
Response :  
{  
  "name": "Watch",  
  "description": "A sleek and ergonomic watch with adjustable DPI settings.",  
  "price": 429.99,  
  "stock": 150,  
  "_id": "6785e06362651380f5ed2a50",  
  "__v": 0  
}
```

3. Get all Products :

- Use GET : <http://localhost:5000/api/products>

Response :

```
[  
  
  {  
  
    "_id": "6784f0f0f1aa84bb3d82c6fc",  
    "name": "Wireless Keyboard",  
    "description": "A sleek and ergonomic wireless mouse with adjustable DPI  
settings.",  
    "price": 99,  
    "stock": 150,  
    "__v": 0  
  },  
  
  {  
  
    "_id": "6784fb15088780dfd68e3a71",  
    "name": "Bluetooth Headphones",  
    "description": "Noise-cancelling wireless headphones with 30-hour battery  
life.",  
    "price": 99.99,  
    "stock": 120,  
  }  
]
```

```

    "__v": 0
  },
  {
    "_id": "6784fb24088780dfd68e3a74",
    "name": "USB-C Hub",
    "description": "A 6-in-1 USB-C hub with HDMI, USB 3.0, and SD card reader.",
    "price": 45.5,
    "stock": 200,
    "__v": 0
  },
  {
    "_id": "6785e06362651380f5ed2a50",
    "name": "Watch",
    "description": "A sleek and ergonomic watch with adjustable DPI settings.",
    "price": 429.99,
    "stock": 150,
    "__v": 0
  }
]

```

4. Update Products :

Use API endpoint : `api/products/:name`

- PUT : <http://localhost:5000/api/products/Watch>

Request :

```

{
  "name": "Watch",
  "description": "Now watch available only 100 in stocks (Updated).",
  "price": 499.99,

```

```
"stock": 100
}
```

5. Delete Products from Database :

- API endpoint : DELETE /products/:name

Request :

<http://localhost:5000/api/products/Watch>

Response:

```
{
  "message": "Product deleted successfully",
  "product": {
    "_id": "6785e06362651380f5ed2a50",
    "name": "Watch",
    "description": "Now watch available only 100 in stocks (Updated).",
    "price": 499.99,
    "stock": 100,
    "__v": 0
  }
}
```

6. Add Products in cart :

- API endpoint : POST <http://localhost:5000/api/cart>

Request :

```
{
  "name": "Bluetooth Headphones",
  "quantity": 2
}
```

- Response :

```
{
  "message": "Item added to cart"
}
```

7. Get all Product from cart :

- Use API endpoint :

Request : GET - <http://localhost:5000/api/cart>

- Response :

```
{
  "_id": "6785e51f0f685471e084ef2f",
  "userId": "6785dded62651380f5ed2a49",
  "products": [
    {
      "productId": {
        "_id": "6784fb15088780dfd68e3a71",
        "name": "Bluetooth Headphones",
        "description": "Noise-cancelling wireless headphones with 30-hour
battery life.",
        "price": 99.99,
        "stock": 120,
        "__v": 0
      },
      "quantity": 2,
      "_id": "6785e51f0f685471e084ef30"
    }
  ],
  "__v": 0
}
```

8. Remove Products from cart :

DELETE method with endpoint : /products/:name

- Request : <http://localhost:5000/api/cart/Bluetooth%20Headphones>

- Response :

```
{
  "message": "Item removed from cart"
}
```