

Requests provided in order for you to use all of the requests in the application and confirm functionality.

Note: To use auth protected endpoint routes, you must supply a JWT token as a Bearer token. You can include a bearer token as part of the CuRL request like this:

```
--header 'Authorization: Bearer  
eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJibHVlMTIzNDU2NzgiLCJpYXQiOiJlNTAzMTA0MDEsImV4cCI6MTY1MDM0NjQwMX0.mCVAfg43KqgTxihCLlK4Z_oRntsebohZs6hymATSeX4'
```

Register For An Account

```
curl --location --request POST 'http://localhost:8080/api/register' --header 'Content-Type: application/json' --data-raw '{  
  "email": "sample4556@gmail.com",  
  "userName": "blue12345678",  
  "password": "123abcd"  
}'
```

Login Account and Receive Authentication Token

```
curl --location --request POST 'https://shopcart-backend.fly.dev/api/authenticate' --header 'Content-Type: application/json' --data-raw '{  
  "userName": "blue12345678",  
  "password": "123abcd"  
}'
```

This endpoint returns a JSON payload which includes a JWT bearer token. The resulting JSON payload looks similar to the following JSON body:

```
{  
  "role": "USER",  
  "id": "15",  
  "email": "phones@gmail.com",  
  "token":  
  "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJTdGV2ZSIsImV4cCI6MTY1MDI5OTM1MiwiZXhwIjoxNjUwMzM1MzUyZQ.b8iYKiM-tF-QCWLbtmwPn98shHbx5ekNh_ORifqoy4A"  
}
```

The token from this response should be included as a Bearer token for routes that require authentication.

View All Users In System

```
curl -X GET "http://localhost:8080/api/users"
```

Add Product 1

```
curl -X POST "http://localhost:8080/api/products" --data-raw "{ \"productName\": \"shirt\", \"category\": \"upper\", \"brand\": \"nike\", \"description\": \"cotton\", \"color\": \"grey\", \"price\": 99.99 }"
```

Add Product 2

```
curl -X POST "http://localhost:8080/api/products" --data-raw "{ \"productName\": \"pants\", \"category\": \"lower\", \"brand\": \"nike\", \"description\": \"cotton\", \"color\": \"blue\", \"price\": 49.99 }"
```

View All Products

```
curl -X GET "http://localhost:8080/api/products"
```

View Only 1 Product

```
curl -X GET "http://localhost:8080/api/products?num=1"
```

View Queried Product On Single Field

```
curl -X GET "http://localhost:8080/api/products?brand='nike'"
```

View Queried Product On Multiple Fields

```
curl -X GET "http://localhost:8080/api/products?brand='nike'&name='shirt'"
```

Get Product By Id 1

```
curl -X GET "http://localhost:8080/api/products/1"
```

Get Product By Id 2

```
curl -X GET "http://localhost:8080/api/products/2"
```

Update Product 2

```
curl -X UPDATE "http://localhost:8080/api/products/2" --data-raw "{ \"id\": 2, \"productName\": \"pants\", \"category\": \"lower\", \"brand\": \"nike\", \"description\": \"cotton\", \"color\": \"green\", \"price\": 79.99 }"
```

Get Product By Id 2 (View Changes)

```
curl -X GET "http://localhost:8080/api/products/2"
```

Delete Product 2

```
curl -X DELETE "http://localhost:8080/api/products/2" --data-raw "{ \"id\": 2, \"productName\": \"pants\", \"category\": \"lower\", \"brand\": \"nike\", \"description\": \"cotton\", \"color\": \"green\", \"price\": 79.99 }"
```

Get Products (See deleted one gone)

```
curl -X GET "http://localhost:8080/api/products/"
```

Add Product (One we just deleted back)

```
curl -X POST "http://localhost:8080/api/products" --data-raw "{ \"productName\": \"pants\", \"category\": \"lower\", \"brand\": \"nike\", \"description\": \"cotton\", \"color\": \"blue\", \"price\": 49.99 }"
```

Create A Review 1

```
curl -X POST "http://localhost:8080/api/reviews" --data-raw "{ \"product_id\": 1, \"title\": \"Good Products\", \"description\": \"This is a great product\", \"rating\": 4 }"
```

Create A Review 2

```
curl -X POST "http://localhost:8080/api/reviews" --data-raw "{ \"product_id\": 1, \"title\": \"Bad Products\", \"description\": \"This is a bad product\", \"rating\": 1 }"
```

Create A Review 3

```
curl -X POST "http://localhost:8080/api/reviews" --data-raw "{ \"product_id\": 3, \"title\": \"Bad Products\", \"description\": \"This is a bad product\", \"rating\": 1 }"
```

Get Reviews For Product 1

```
curl -X GET "http://localhost:8080/api/reviews/product/1"
```

Get A Review By Id 1

```
curl -X GET "http://localhost:8080/api/reviews/1"
```

Get A Review By Id 2

```
curl -X GET "http://localhost:8080/api/reviews/2"
```

Update A Review 2

```
curl -X UPDATE "http://localhost:8080/api/reviews/2" --data-raw "{ \"id\": 2, \"product_id\": 1, \"title\": \"Okay Products\", \"description\": \"This is a okay product\", \"rating\": 3 }"
```

Get A Review 2 (See changes)

```
curl -X GET "http://localhost:8080/api/reviews/2"
```

Delete A Review 2

```
curl -X DELETE "http://localhost:8080/api/reviews/2" --data-raw "{ \"id\": 2, \"product_id\": 1, \"title\": \"Okay Products\", \"description\": \"This is a okay product\", \"rating\": 3 }"
```

Process An Order (Empty Cart)

```
curl -X POST "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [] }"
```

Process An Order (Unknown Item Id)

```
curl -X POST "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [260] }"
```

Process An Order 1

```
curl -X POST "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1] }"
```

Process An Order 2

```
curl -X POST "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1] }"
```

Process An Order 3

```
curl -X POST "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1] }"
```

Submit An Order (Unknown Order Id)

```
curl -X PUT "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1], \"id\":4, \"status\":1 }"
```

Submit An Order 1

```
curl -X PUT "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1], \"id\":1, \"status\":1 }"
```

Submit An Order 1 (Already Paid)

```
curl -X PUT "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1], \"id\":1, \"status\":2 }"
```

Submit An Order 2

```
curl -X PUT "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1], \"id\":2, \"status\":1 }"
```

Submit An Order 3 (Payment Failed, 3rd Payment)

```
curl -X PUT "http://localhost:8080/api/orders/process" --data-raw "{ \"total\": 99.99, \"first_name\": \"eric\", \"last_name\": \"kwok\", \"country\": \"canada\", \"product_ids\": [1], \"id\":3, \"status\":1 }"
```

Get All Orders

```
curl -X GET "http://localhost:8080/api/orders/"
```

Get A Specific Order 1

```
curl -X GET "http://localhost:8080/api/orders/1"
```

Delete An Order 1

```
curl -X DELETE "http://localhost:8080/api/orders/1"
```

Get Monthly Report Of Items Sold

```
curl -X GET "http://localhost:8080/api/analytics/monthly/items"
```

Add Page Visit Hits 1

```
curl -X POST "http://localhost:8080/api/analytics/website/usage" --data-raw "{ \"ip_address\": \"1.27.0.0.0\", \"event\": 2 }"
```

Add Page Visit Hits 2

```
curl -X POST "http://localhost:8080/api/analytics/website/usage" --data-raw "{ \"ip_address\": \"1.27.0.2.0\", \"event\": 2 }"
```

Add Page Visit Hits 3

```
curl -X POST "http://localhost:8080/api/analytics/website/usage" --data-raw "{ \"ip_address\": \"1.27.4.0.0\", \"event\": 3 }"
```

Add Page Visit Hits 4

```
curl -X POST "http://localhost:8080/api/analytics/website/usage" --data-raw "{ \"ip_address\":  
\"1.27.0.7.0\", \"event\": 1 }"
```

Get Page Visit Statistics

```
curl -X GET "http://localhost:8080/api/analytics/website/usage"
```