



Shaka Surf Online Store API Documentation

Endpoint documentation for the Shaka Surf Online Store.

Created for the Coder Academy Term 2 Assignment 2 - API Web Server Application Project.

Developed and written by Adam Tunchay, 2022.

Please read notes attached to all endpoints that include the following -

- HTTP request method (Note - Listed throughout documentation left of endpoint title)
- Required Data for each endpoint (with examples provided)
- Expected response data (with examples provided)
- Authentication methods were applicable.

All requests and responses are to be provided in JSON format.

AUTHORIZATION

Bearer Token

User

All User and Address end points.

AUTHORIZATION

Bearer Token

This folder is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

POST Register

```
127.0.0.1:8000/user/register
```

User registration endpoint to allow users to register their details to the database.

HTTP Method - POST

Data Required



- password

Expected Response

Returns UserSchema from the database.

- id (generated by the database)
- user_name
- email
- admin (boolean value assigned by database, default = False)

(Not password is not provided by server in response)

Authentication

None

BODY raw

```
{
  "user_name" : "mel.mac",
  "email": "mel@gmail.com",
  "password" : "123Password"
}
```

Example Request

Register

```
POST /user/register HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 93
```

```
{
  "user_name" : "mel.mac",
  "email": "mel@gmail.com",
  "password" : "123Password"
}
```

Example Response

201 CREATED

Body Header (5)

```
{
  "id": 5,
  "user_name": "mel.mac",
  "email": "mel@gmail.com",
  "admin": false
}
```



POST Login (User)

```
127.0.0.1:8000/user/login
```

User Login endpoint to allow users to login using their data previously provided during registration.

HTTP Method - POST

Data Required

- email (string)
- password (string)

Expected Response

- JWT token provided back to client by server which is used as bearer token for requests requiring authentication

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

BODY raw

```
{
  "email": "michael.hughes@gmail.com",
  "password" : "password"
}
```

Example Request

Login (User)

```
POST /user/login HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 72
```

```
{
  "email": "michael.hughes@gmail.com",
  "password" : "password"
}
```

Example Response

200 OK

[illegible]

GET [View All Users \(Admin\)](#)

127.0.0.1:8000/user/view_all

Endpoint to return list of all currently registered users from user database back to the client.

Data Required

Null

Expected Response

List containing UserSchema of each user in database.

- id
- user_name
- email
- address (nested field)
- admin

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImhhdCI6MTY2ODIyNzcxNCwianRpIjoiaZTA3MTkxMDctYzYzMTY0ODI0NDdmYzcyYTYiIiwidHlwZSI6ImFjY2V2cyIsInN1YiI6MSwiImJmIjojNjY4MjI1NzE0LGljaGEiOiJlE2NzA4MTk3MTR9.7BKGgCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9YfqI

Example Request

[View All Users \(Admin\)](#)

```
GET /user/view_all HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

על חתך



```
[
  {
    "id": 1,
    "user_name": "Administrator",
    "email": "admin@spam.com",
    "address": [],
    "admin": true
  },
  r
```

[View More](#)

GET View All Users (User) (Deny)

```
127.0.0.1:8000/user/view_all
```

This example shows a user without admin privileges attempting to access this endpoint and receiving an unauthorized error message.

Data Required

Null

Expected Response

Error message

Authentication

This example provides a valid user's JWT bearer token, but without admin privileges.

AUTHORIZATION

Bearer Token

Token

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImhhdCI6MTY2ODIyOTAxMCwianRpIjojNjkMDc0MDYtMWJlNy00OWRILTk5NzctMjY0YjcwM2E5MTNhlwiidHlwZSI6ImFjY2VzcyIsbnN1YiI6MywibmJmljoxNjY4MjI5MDRlcjleHAiOiJlE2NzA4MjEwMTB9.s48_4UVHPtQ4tDwdc1l6ubdan2AQ8_W30xpEB3eakA8
```

Example Request

View All Users (User) (Deny)

```
GET /user/view_all HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

403 FORBIDDEN

```
{
  "error": "You are not authorized to perform this action"
}
```

DEL Delete Users (Admin)

127.0.0.1:8000/user/delete/2

Endpoint to allow an admin to delete a user account from database.

Data Required

No data required, admin to provide the id of the user in the URI.

/user/delete/{int:user_id}

Expected Response

Response stating that {user_name} has been successfully deleted.

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyNzcwNCwianRpIjoiaZTA3MTkxMDctYzM3YS00ZTg5LTllZjEtZDY0NDdmYzcyYTY1IiwidHlwZSI6ImFjY2VzcyIsbnN1YiI6MSwibmJmIjojY4MjI3NzE0LCJleHAiOiJlE2NzA4MTk3MTR9.j7BKGGCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9Yfql

Example Request

Delete Users (Admin)

```
DELETE /user/delete/2 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

202 ACCEPTED

Body

Header (5)

```
{
  "message": "User adam.tunchay has been deleted successfully."
}
```



PUT Update User (User)

127.0.0.1:8000/user/update

Endpoint to allow a logged in user to update their user account details. The bearer token provided by logged in user is the user that will be updated in the database.

Data Required

- email
- password
- user_name

Note - not all attributes are required to update a user. If only an email is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns UserSchema from the database.

- id
- user_name
- email
- address (nested field)
- admin

Authentication

JWT Bearer Token from a logged in user account.

AUTHORIZATION

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImhhdCI6MTY2ODIyOTAxMCwianRpIjoiNjJkMDc0MDYtMWJlNy00OWRILTk5NzctMjY0YjcwM2E5MTNhliwidHlwZSI6ImFjY2VzcyIsInN1Yil6MywibmJmljoxNjY4Mjl5MDZlcjleHAiOiJlE2NzA4MjEwMTB9.s48_4UVHPtQ4tDwdc1l6ubdan2AQ8_W30xpEB3eakA8

BODY raw

```
{
  "email": "testacc1@test.com",
  "password" : "password123",
  "user_name" : "dingo.jones"
}
```



```
PUT /user/update HTTP/1.1
```

```
Host: 127.0.0.1:8000
```

```
Content-Length: 101
```

```
{
  "email": "testacc1@test.com",
  "password": "password123",
  "user_name": "dingo.jones"
}
```

Example Response

200 OK

Body Header (5)

```
{
  "id": 3,
  "user_name": "dingo.jones",
  "email": "testacc1@test.com",
  "address": [
    {
      "id": 1,
      "first_name": "Michael",
      "last_name": "Michael"
    }
  ]
}
```

[View More](#)

PUT Update User (Admin)

127.0.0.1:8000/user/update/3

Endpoint to allow an admin to update any user account by providing the user id in the URI.

Data Required

Admin to provide the id of the user in the URI.

`/user/update/{int:user_id}`

- email
- password
- user_name

Note - not all attributes are required to update a user. If only an email is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns UserSchema from the database.

- id
- user_name

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
  "email": "lars@hotmail.com",
  "password" : "password123",
  "user_name" : "lars.ulrich"
}
```

Example Request

Update User (Admin)

PUT /user/update/3 HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 100

```
{
  "email": "lars@hotmail.com",
  "password" : "password123",
  "user_name" : "lars.ulrich"
}
```

Example Response

200 OK

Body

Header (5)

```
{
  "id": 3,
  "user_name": "lars.ulrich",
  "email": "lars@hotmail.com",
  "address": [
    {
      "id": 1,
      "first_name": "Michael",
      "last_name": "Hughes"
    }
  ]
}
```

View More



```
127.0.0.1:8000/user/address/new
```

Endpoint to allow a logged in user to add an address to the addresses table, which is linked to their user account. The bearer token provided by logged in user is the user that will be related to the address.

Data Required

- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Expected Response

Returns the AddressSchema from database.

- id
- user (nested field with user_id, user_name, email)
- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Authentication

JWT Bearer Token from a logged in user account.

AUTHORIZATION

Bearer Token

Token

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyOTExNCwianRpIjojM2Q0NmNiZGYtZGRjMC00MjEzLWFKYjltZDRkYzgxN2JjZTM5IiwidHlwZSI6ImFjY2VzcyIsInN1YiI6ImiwibmJmljoxNjY4MjI5MTE0LCJleHAiOjE2NzA4MjExMTR9.toDpBi-cWdfIO2RyJF0zFQ70KAdAt9ITAKjfiCoKlo
```

BODY raw

```
{
```



```
"street": "The Esplanade",
"city": "Torquay",
"state": "Victoria",
"post_code": 3228,
"country": "Australia"
```

View More

Example Request

Add Address to User

```
POST /user/address/new HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 238
```

```
{
  "first_name": "Adam",
  "last_name": "Tunchay",
  "street_number": 10,
  "street": "The Esplanade"
```

View More

Example Response

200 OK

Body Header (5)

```
{
  "id": 6,
  "user": {
    "id": 2,
    "user_name": "adam.tunchay",
    "email": "adam.tunchay@me.com"
  },
  "first_name": "Adam",
  "last_name": "Tunchay"
```

View More

GET View Address (Admin)

127.0.0.1:8000/user/address/1

Endpoint to allow an admin to view an address by providing the address id in the URI.

Data Required

Admin to provide the id of the address in the URI.

/user/address/{int:address_id}

Expected Response



- id
- user (nested field with user_id, user_name, email)
- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyNzcwNCwianRpljoiZTA3MTkxMDctYzM3YS00ZTg5LTllZjEtZDY0NDdmYzYTY1IiwidHlwZSI6ImFjY2VzcyIsbnN1YiI6MSwibmJmljoxNjY4MjI3NzE0LCJleHAiOjE2NzA4MTk3MTR9Lj7BKGGCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9Yfql

Example Request

View Address (Admin)

GET /user/address/1 HTTP/1.1
Host: 127.0.0.1:8000

Example Response

200 OK

Body Header (5)

```
{
  "id": 1,
  "user": {
    "id": 3,
    "user_name": "mick.hughes",
    "email": "michael.hughes@gmail.com"
  },
  "first_name": "Michael",
  "last_name": "Hughes"
```

View More



PATCH Update Address (Admin)

```
127.0.0.1:8000/user/address/update/2
```

PATCH endpoint to allow an admin to update any address by providing the address id in the URI.

Data Required

Admin to provide the id of the address in the URI.

```
/user/address/update/{int:address_id}
```

- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Note - not all attributes are required to update an address. If only an email is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns the AddressSchema from database.

- id
- user (nested field with user_id, user_name, email)
- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token



k3MTR9.j7BKGgCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9YfqI

BODY raw

```
{
  "street_number": 20,
  "street": "Riverside Dr"
}
```

Example Request

Update Address (Admin)

```
PATCH /user/address/update/2 HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 57
```

```
{
  "street_number": 40,
  "street": "Riverside Dr"
}
```

Example Response

200 OK

Body Header (5)

```
{
  "id": 5,
  "user": {
    "id": 2,
    "user_name": "adam.tunchay",
    "email": "adam.tunchay@me.com"
  },
  "first_name": "Adam",
  "last_name": "Tunchay"
}
```

[View More](#)

PUT Update Address (Admin)

127.0.0.1:8000/user/address/update/2

PUT endpoint to allow an admin to update any address by providing the address id in the URI.

Data Required

Admin to provide the id of the address in the URI.

`/user/address/update/{int:address_id}`



- street_number
- street
- city
- state
- post_code
- country
- phone

Note - not all attributes are required to update an address. If only an email is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns the AddressSchema from database.

- id
- user (nested field with user_id, user_name, email)
- first_name
- last_name
- street_number
- street
- city
- state
- post_code
- country
- phone

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyNzcwNCwianRpljojZTA3MTkxMDctYzM3YS00ZTg5LTllZjEtZDY0NDdmYzYTY1IiwidHlwZSI6ImFjY2VzcyIsInN1YiI6MSwibmJmljoxNjY4MjI3NzE0LCJleHAiOiE2NzA4MTk3MTR9.j7BKGGCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9YfqI
```

BODY raw

```
{
  "street_number": 20,
  "street": "Riverside Dr"
}
```

```
PUT /user/address/update/2 HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 57
```

```
{
  "street_number": 20,
  "street": "Riverside Dr"
}
```

Example Response

200 OK

Body

Header (5)

```
{
  "id": 2,
  "user": {
    "id": 2,
    "user_name": "adam.tunchay",
    "email": "adam.tunchay@me.com"
  },
  "first_name": "Adam",
  "last_name": "Tunchay"
}
```

View More

Products

AUTHORIZATION

Bearer Token

This folder is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

GET Return All Products

127.0.0.1:8000/products/all

Endpoint to return list of all products from database back to the client.

Data Required

Null

Expected Response

Returns ProductSchema from the database.

- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

get_products Copy

```
GET /products/all HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

200 OK

Body

Header (5)

```
[
  {
    "id": 1,
    "name": "Rip Curl Mini-mal Surfboard",
    "description": "Mini-mal longboard designed on the surfcoast, Victoria.",
    "length": 8,
    "volume": 64,
    "price": "750.00"
  }
]
```

View More

GET Product by ID

127.0.0.1:8000/products/2

Endpoint to return a product from database by providing the id in the URI.

Data Required

Client to provide the id of the product in the URI

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Product by ID

GET /products/2 HTTP/1.1

Host: 127.0.0.1:8000

Example Response

200 OK

Body

Header (5)

```
{
  "id": 2,
  "name": "Christenson Fish Surfboard",
  "description": "Double foil fins with low cant and toe complimented by the twin pin tail al
  "length": 6,
  "volume": 32,
  "price": "1399.99"
}
```

GET Search Products by Length

127.0.0.1:8000/products/length/7



Client to provide the length in the URI.

```
/products/length/{int:length}
```

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Search Products by Length

```
GET /products/length/7 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

200 OK

Body Header (5)

```
{
  "id": 5,
  "name": "Pyzel Padillac Step Up Surfboard",
  "description": "It has a clean, flowing rocker, and a light vee bottom with double concaves",
  "length": 7,
  "volume": 46,
  "price": "1399.00"
}
```



```
127.0.0.1:8000/products/length/min/7
```

Endpoint to search for all products greater than the provided length.

Data Required

Client to provide the length in the URI.

```
/products/length/min/{int:length}
```

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Search Products by Length (Min)

```
GET /products/length/min/7 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

200 OK

Body Header (5)

```
[
  {
    "id": 1,
    "name": "Rip Curl Mini-mal Surfboard",
    "description": "Mini-mal longboard designed on the surfcoast, Victoria.",
    "length": 8,
    "volume": 64,
    "price": "750.00"
```

GET Search Products by Length (Max)

127.0.0.1:8000/products/length/max/7

Endpoint to search for all products less than the provided length.

Data Required

Client to provide the length in the URI.

/products/length/max/{int:length}

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request	Search Products by Length (Max)
<div>GET /products/length/max/7 HTTP/1.1</div> <div>Host: 127.0.0.1:8000</div>	
Example Response	200 OK
<div><div>Body</div><div>Header (5)</div></div> <div>[</div> <div>{</div> <div>"id": 2,</div>	

```
"volume": 32,  
"price": "1399.99"
```

View More

GET Search Products by Volume

127.0.0.1:8000/products/volume/64

Endpoint to search for all products by an exact volume.

Data Required

Client to provide the volume in the URI.

```
/products/length/{int:volume}
```

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Search Products by Volume

```
GET /products/volume/64 HTTP/1.1  
Host: 127.0.0.1:8000
```

Example Response

200 OK



```
{
  "id": 1,
  "name": "Rip Curl Mini-mal Surfboard",
  "description": "Mini-mal longboard designed on the surfcoast, Victoria.",
  "length": 8,
  "volume": 64,
  "price": "750.00"
}
```

GET Search Products by Volume (Min)

```
127.0.0.1:8000/products/volume/min/50
```

Endpoint to search for all products greater than the provided volume.

Data Required

Client to provide the length in the URI.

```
/products/volume/min/{int:volume}
```

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Search Products by Volume (Min)



Example Response

200 OK

Body Header (5)

```
[
  {
    "id": 1,
    "name": "Rip Curl Mini-mal Surfboard",
    "description": "Mini-mal longboard designed on the surfcoast, Victoria.",
    "length": 8,
    "volume": 64,
    "price": "750.00"
  }
]
```

View More

GET Search Products by Volume (Max)

127.0.0.1:8000/products/volume/max/50

Endpoint to search for all products less than the provided volume.

Data Required

Client to provide the length in the URI.

/products/volume/max/{int:volume}

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)



Example Request

Search Products by Volume (Max)

```
GET /products/volume/max/50 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

200 OK

Body

Header (5)

```
[
  {
    "id": 2,
    "name": "Christenson Fish Surfboard",
    "description": "Double foil fins with low cant and toe complimented by the twin pin tail :
    "length": 6,
    "volume": 32,
    "price": "1399.99"
  }
]
```

[View More](#)

GET Search Products by Price (Min)

```
127.0.0.1:8000/products/price/min/800
```

Endpoint to search for all products greater than the provided price.

Data Required

Client to provide the length in the URI.

```
/products/price/min/{int:price}
```

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Example Request

Search Products by Price (Min)

GET /products/price/min/800 HTTP/1.1
Host: 127.0.0.1:8000

Example Response

200 OK

BodyHeader (5)

```
[
  {
    "id": 2,
    "name": "Christenson Fish Surfboard",
    "description": "Double foil fins with low cant and toe complimented by the twin pin tail :
    "length": 6,
    "volume": 32,
    "price": "1399.99"
  }
]
```

View More

GET Search Products by Price (Max)

127.0.0.1:8000/products/price/max/750

Endpoint to search for all products less than the provided price.

Data Required

Client to provide the length in the URI.

/products/price/max/{int:price}

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

None

AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Search Products by Price (Max)

```
GET /products/price/max/750 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

200 OK

BodyHeader (5)

```
[
  {
    "id": 1,
    "name": "Rip Curl Mini-mal Surfboard",
    "description": "Mini-mal longboard designed on the surfcoast, Victoria.",
    "length": 8,
    "volume": 64,
    "price": "750.00"
  }
]
```

View More

POST Product Add

127.0.0.1:8000/products/add

Endpoint to allow an admin to add a new product to the database.

Data Required

- name
- description
- length
- volume
- price

Expected Response

Returns ProductSchema from the database.

- id
- name

- price

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyNzcwNCwianRpIjoiaZTA3MTkxMDctYzMT3YS00ZTg5LTllZjEtZDY0NDdmYzYTY1IiwidHlwZSI6ImFjY2VzcyIsbnN1YiI6MSwibmJmljoxNjY4MjI3NzE0LCJleHAiOiJlE2NzA4MTk3MTR9.j7BKGgCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9Yfql

BODY raw

```
{
  "name": "Mini Simmonds",
  "description": "Very fun board for small waves",
  "length": 5,
  "volume": 45,
  "price": 699
}
```

Example Request

Product Add

```
POST /products/add HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 138

{
  "name": "Mini Simmonds",
  "description": "Very fun board for small waves",
  "length": 5,
  "volume": 45
```

View More

Example Response

200 OK

Body

Header (5)

```
{
  "id": 7,
  "name": "Mini Simmonds",
  "description": "Very fun board for small waves",
```



```
"price": "699.00"
}
```

PATCH Product Edit (Partial Update)

```
127.0.0.1:8000/products/update/1
```

Endpoint to allow an admin to edit a product in the database by providing the product_id in the URI.

Data Required

Product number must be provided in the URI

```
/products/update/{int:product_id}
```

- name
- description
- length
- volume
- price

Note - not all attributes are required to update a product. If only an description is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImhhdCI6MTY2ODIyNzcwNCwianRpIjoia3MTR9j7BKGgCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9Yfql
```

BODY



```
{
  "name": "Firewire Bakes Potato",
  "description": "Great groveller board for smaller summer days."
}
```

Example Request

Product Edit (Partial Update)

```
PATCH /products/update/1 HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 110
```

```
{
  "name": "Firewire Bakes Potato",
  "description": "Great groveller board for smaller summer days."
}
```

View More

Example Response

200 OK

Body

 Header (5)

```
{
  "id": 1,
  "name": "Firewire Bakes Potato",
  "description": "Great groveller board for smaller summer days.",
  "length": 8,
  "volume": 64,
  "price": "750.00"
}
```

PUT Product Edit (Partial Update)

```
127.0.0.1:8000/products/update/1
```

Endpoint to allow an admin to edit a product in the database by providing the product_id in the URI.

Data Required

Product number must be provided in the URI

```
/products/update/{int:product_id}
```

- name



- price

Note - not all attributes are required to update a product. If only an description is provided the other data entries will remain as previously stored and a partial update will be performed.

Expected Response

Returns ProductSchema from the database.

- id
- name
- description
- length
- volume
- price

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

<token>

BODY raw

```
{
  "name": "Longer Board",
  "description": "The longboard got a longer update this year."
}
```

Example Request

Product Edit (Partial Update)

```
PUT /products/update/1 HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 99
```

```
{
  "name": "Longer Board",
  "description": "The longboard got a longer update this year."
}
```

[View More](#)



Body Header (5)

```
{
  "id": 1,
  "name": "Longer Board",
  "description": "The longboard got a longer update this year.",
  "length": 8,
  "volume": 64,
  "price": "750.00"
}
```

DEL Delete Product (Admin)

```
127.0.0.1:8000/products/delete/1
```

Endpoint to allow an admin to delete a product in the database by providing the product_id in the URI.

Data Required

Product number must be provided in the URI

```
/products/delete/{int:product_id}
```

Expected Response

Response stating that {product_id} and {product_name} has been successfully deleted.

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

<token>

Example Request

Delete Product (Admin)

```
DELETE /products/delete/1 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

202 ACCEPTED



```
{  
  "message": "Product 1 - Longer Board has been deleted successfully."  
}
```

Reviews

AUTHORIZATION

Bearer Token

This folder is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

POST Post Review (User)

```
127.0.0.1:8000/products/2/review
```

Endpoint to allow a logged in user to add a review to a product.

Data Required

Product number must be provided in the URI

```
/products/delete/{int:product_id}/review
```

- title
- comment
- rating

Expected Response

Returns ReviewSchema from the database.

- id
- user_id
- product_id
- title
- date
- comment
- rating
- user (nested field - user_name)
- product (nested field - name, price)

Authentication

JWT Bearer Token from a logged in user account.

Bearer Token

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyOTExNCwianRpIjojM2Q0NmNiZGYtZGRjMC00MjEzLWFKYjltZDRkYzgxN2JjZTM5IiwidHlwZSI6ImFjY2VzcyIsInN1Yil6MiwibmJmljoxNjY4MjI5MTE0LCJleHAiOjE2NzA4MjExMTR9.toDpBi-cWdfIO2RyJF0zFQ70KAdAt9ITAKjffiCoKIo

BODY raw

```
{
  "title": "This surfboard sucks",
  "comment" : "Snapped this board at Bells in the first half hour of surfing it. DO NOT RECOMMEND",
  "rating" : "1"
}
```

Example Request

Post Review (User)

POST /products/2/review HTTP/1.1
Host: 127.0.0.1:8000
Content-Length: 162

```
{
  "title": "This surfboard sucks",
  "comment" : "Snapped this board at Bells in the first half hour of surfing it. DO NOT RECOMMEND",
  "rating" : "1"
}
```

View More

Example Response

201 CREATED

BodyHeader (5)

```
{
  "id": 3,
  "user_id": 2,
  "product_id": 2,
  "title": "This surfboard sucks",
  "date": "2022-11-12 18:14:44",
  "comment": "Snapped this board at Bells in the first half hour of surfing it. DO NOT RECOMMEND",
  "rating": 1,
  "user": {
    "id": 2,
    "username": "johndoe",
    "email": "john.doe@example.com",
    "password": "12345678"
  }
}
```

View More



```
127.0.0.1:8000/products/2/review/3
```

Endpoint to allow an admin to delete a review in the database by providing the product_id and review_id in the URI.

Data Required

Product_id and review_id must be provided in the URI

```
/products/{int:product_id}/review/{int:review_id}
```

Expected Response

Response stating that {review_id} has been successfully deleted.

Authentication

JWT Bearer Token from a logged in account with administrator privileges.

AUTHORIZATION

Bearer Token

Token

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmFsc2UsImIhdCI6MTY2ODIyNzcwNCwianRpljoiZTA3MTkxMDctYzM3YS00ZTg5LTllZjEtZDY0NDdmYzcyYTY1IiwidHlwZSI6ImFjY2VzcyIsbnN1YiI6MSwibmJmljoxNjY4MjI3NzE0LCJleHAiOiE2NzA4MTk3MTR9.j7BKGGCcpe4mrFc11-Wdt3jbUheec2vgLbm8HI9Yfql
```

Example Request

Delete Review (User)

```
DELETE /products/2/review/3 HTTP/1.1
Host: 127.0.0.1:8000
```

Example Response

202 ACCEPTED

Body Header (5)

```
{
  "message": "Review 3 has been deleted successfully."
}
```

GET Index Test

```
127.0.0.1:8000/
```



AUTHORIZATION

Bearer Token

This request is using Bearer Token from collection [Shaka Surf Online Store API Documentation](#)

Example Request

Index Test

GET / HTTP/1.1
Host: 127.0.0.1:8000

Example Response

200 OK

Body

Header (5)