**Java OOP Project.**

**Project name:** MyWebShop.

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**Description:** "MyWebShop" is the web-service, designed to have a functionality of an actual Web Shop. In this service user can login or create new account, see available products, order them, and also chat with other users.

**Scenarios:**

**Use Case 1**

User receives his authentithication token

**@POST**

/MyWebShop\_Web\_exploded/auth

**Required arguments**

username

Password

**Response**

{"token":"eyJhbGciOiJIUzM4NCJ9.eyJpc3MiOiJjaGluZ2EiLCJpYXQiOjE1OTE0NDM2NjgsImV4cCI6MTU5MTQ0NDI2OCwiMUQyMCI6NH0.7ZgouRzgFngZg1WqGhGdgogw2Np287-4lak7D7f7KN7NkKvi\_G\_-g2\_pbqwMbaiy"}

**Use Case 2**

User create a new account

**@POST**

/MyWebShop\_Web\_exploded/users/register

**Required arguments**

name

surname

username

password

Birthday

**Response**

User successfully created!

**Use Case 3**

Users and guests can see a list of other users, even not being authorized

**@GET**

/MyWebShop\_Web\_exploded/users

**Required arguments**

None

**Response**

[

{

"id": 1,

"username": "chinga"

},

{

"id": 2,

"username": "MrMaddy"

},

{

"id": 3,

"username": "admin"

}

]

**Use Case 4**

User can update his account information

**@POST**

/MyWebShop\_Web\_exploded/users/update

Required arguments:

user\_id

username

surname

password

**Response:**

User information has been successfully updated!

**Use Case 5**

Only signed in user can delete only his profile, no one elses

**@POST**

/MyWebShop\_Web\_exploded/users/delete

Required arguments:

user\_id

Username

**Response:**

User was successfully deleted!

**Use Case 6**

Non authorized user can see the list of products.

**@GET**

/MyWebShop\_Web\_exploded/products

Required arguments:

None

**Response:**

[

{

"id": 1,

"name": "Apple MacBook Pro 16 2019 Space Gray",

"price": 2799.99

},

{

"id": 2,

"name": "ASUS ROG Zephyrus G14",

"price": 1449.99

},

{

"id": 3,

"name": "iPhone 11 Pro Max",

"price": 1449.99

},

{

"id": 4,

"name": "AirPods Pro",

"price": 249.99

},

{

"id": 5,

"name": "SanDisk 2TB Extreme PRO Portable External SSD",

"price": 369.99

}

]

**Use Case 7**

See each product, by entering their ID in URL(only authorized user have access to this functionality)

**@GET**

/MyWebShop\_Web\_exploded/products/{id}

**Required arguments:**

product\_id

**Response**

{

"category": "Notebooks",

"description": "The MacBook Pro 16-inch is not just the most powerful MacBook Apple`s ever made – it`s also the best. By listening to its customers and taking on board the criticisms of previous models, Apple has made a MacBook Pro that improves on nearly every aspect of the iconic workstation. If you have the budget for it, this is one of the best laptops you can buy.",

"id": 1,

"name": "Apple MacBook Pro 16 2019 Space Gray",

"price": 2799.99

}

**Use Case 8**

Administrator can add new product to the Products List

**@POST**

/MyWebShop\_Web\_exploded/products/add

**Required arguments:**

name

category

description

price

**Response**

Successfully added a new product!

**Use Case 9**

Only Administrator can update the name, description, price, category of the product

**@POST**

/MyWebShop\_Web\_exploded/products/add

**Required arguments**

id

name

category

description

price

**Response**

Product was successfully updated!

**Use Case 10**

Admin deletes product from product list

**@POST**

/MyWebShop\_Web\_exploded/products/delete

**Required arguments**

id

name

**Response**

Product has been deleted!

**Use Case 11**

Get order list by users ID (available only for authorized users)

**@GET**

/MyWebShop\_Web\_exploded/orders/users/{id}

**Required arguments**

id (user\_id)

**Response**

[

{

"product\_name": "ASUS ROG Zephyrus G14",

"product\_price": 1449.99,

"username": "MrMaddy"

},

{

"product\_name": "AirPods Pro",

"product\_price": 249.99,

"username": "MrMaddy"

},

{

"product\_name": "SanDisk 2TB Extreme PRO Portable External SSD",

"product\_price": 369.99,

"username": "MrMaddy"

}

]

**Use Case 12**

Show total cost of products

**@GET**

/MyWebShop\_Web\_exploded/orders/users/{id}/total

**Required arguments**

id (user\_id)

**Response**

{

"sum": 2069.97,

"username": "MrMaddy"

}

**Use Case 13**

User can add a new product to his order

**@POST**

/MyWebShop\_Web\_exploded/orders/users/add

**Required arguments**

Id (user\_id)

Id (product\_id)

**Response**

Successfully added a new product to the order list!

**Use Case 14**

**@POST**

/MyWebShop\_Web\_exploded/orders/users/delete

**Required arguments**

id (order\_id)

**Response**

Product has been successfully deleted from your order list!

**Use Case 15**

Get message list by sender id

**@GET**

/MyWebShop\_Web\_exploded/messages/sender/{id}

**Required arguments**

id (sender\_id)

**Response**

[

{

"message": "Salam-popolam",

"receiver": "chinga",

"sender": "MrMaddy"

},

{

"message": "Admin, udali Akylbeka",

"receiver": "admin",

"sender": "MrMaddy"

},

{

"message": "I hope, that we`ll get the highest mark",

"receiver": "chinga",

"sender": "MrMaddy"

}

]

**Use Case 16**

Get message list by receiver id

**@GET**

/MyWebShop\_Web\_exploded/messages/receiver/{id}

**Required arguments**

id (receiver\_id)

**Response**

[

{

"message": "Hello, chuvak",

"receiver": "MrMaddy",

"sender": "chinga"

}

]

**Use Case 17**

Authorized user can send message to any other user

**@POST**

/MyWebShop\_Web\_exploded/messages/send

**Required arguments**

id (sender\_id)

message

id (receiver\_id)

**Response**

Message was succcessfully sent! + messageItSelf