End point : http:// <http://localhost:4200>

**Entity user:**

**Description: Create new user. (not admin)**

**Step 1:**

Curl request:

curl -v -X POST -H "Content-type: application/json" -d "{\"userId\": 789543218,\"userName\": \"avinoam@gmail.com\", \"userPassword\" : \"6fa7527176193707926ce56d1a02a7a0199a4f69ef584663cb5b0b1a617a9caa\", \"isAdmin\" : false}" localhost:6000/api/users/register

Curl response:

> POST /api/users/register HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> Content-type: application/json

> Content-Length: 157

>

\* upload completely sent off: 157 out of 157 bytes

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 184

< ETag: W/"b8-g+1O/qQ5MPrtp4WXlaSefahAuAg"

< Date: Sun, 23 Dec 2018 11:00:01 GMT

< Connection: keep-alive

<

{"\_id":"5c1f6ab17c7ae50840cdd22f","userId":"789543218","userName":"avinoam@gmail.com","userPassword":"6fa7527176193707926ce56d1a02a7a0199a4f69ef584663cb5b0b1a617a9caa","isAdmin":false}\* Connection #0 to host localhost left intact

**Step 2:**

Curl request:

curl -v -X POST -H "Content-type: application/json" -d "{\"userId\": 789543218,\"userName\": \"avinoam@gmail.com\", \"userPassword\" : \"6fa7527176193707926ce56d1a02a7a0199a4f69ef584663cb5b0b1a617a9caa\", \"city\": \"Jerusalem\",\"street\": \"Yafo\",\"firstName\": \"avinoam\",\"lastName\": \"avraham\",\"isAdmin\": false}" localhost:6000/api/users/registerStepTwo

Curl response:

> POST /api/users/registerStepTwo HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> Content-type: application/json

> Content-Length: 238

>

\* upload completely sent off: 238 out of 238 bytes

< HTTP/1.1 201 Created

< X-Powered-By: Express

< xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjZjZWI3YzdhZTUwODQwY2RkMjMwIiwiaWF0IjoxNTQ1NTYzMzcxfQ.upchGBe28V4DiElEZrRPvBrwXPDoVRgL2NkXhkBESAI

< Content-Type: application/json; charset=utf-8

< Content-Length: 270

< ETag: W/"10e-Dtr1OZebeCJf4yFMl0XQIU/irSw"

< Date: Sun, 23 Dec 2018 11:09:31 GMT

< Connection: keep-alive

**Note: step 1 doesn’t create the user, its only do checks and save the data in client side so if the checks are ok then if step 2 completed only then user will be create and that the reason I am writing on step 2 again some data again in the new post message.**

**Description: Create new user invalid as admin (not admin)**

Curl request:

curl -v -X POST -H "Content-type: application/json" -d "{\"userId\": 789543218,\"userName\": \"avinoam@gmail.com\", \"userPassword\" : \"6fa7527176193707926ce56d1a02a7a0199a4f69ef584663cb5b0b1a617a9caa\", \"isAdmin\" : true}" localhost:6000/api/users/register

Curl response:

> POST /api/users/register HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> Content-type: application/json

> Content-Length: 156

>

\* upload completely sent off: 156 out of 156 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 65

< ETag: W/"41-2IlOvk5qNjIc6ckds2SqrLM623U"

< Date: Sun, 23 Dec 2018 11:18:42 GMT

< Connection: keep-alive

<Notice: you are tring to resgister as admin but this not allowed!\* Connection #0 to host localhost left intact

**Description: Create new user invalid with the same id, that already created in Db**

Curl request:

curl -v -X POST -H "Content-type: application/json" -d "{\"userId\": 40854119,\"userName\": \"rueven48@gmail.com\", \"userPassword\" : 12345}" localhost:6000/api/users/register

Curl response:

> POST /api/users/register HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> Content-type: application/json

> Content-Length: 77

>

\* upload completely sent off: 77 out of 77 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 43

< ETag: W/"2b-NaHrWvcm/7Pke8OMuG1a3FuoaS0"

< Date: Sun, 23 Dec 2018 10:17:53 GMT

< Connection: keep-alive

<

{"error":"Notice: user id already exsist!"}\* Connection #0 to host localhost left intact

**Description: User Login with valid password and userName.**

Curl request:

curl -v -X GET -H "xx-auth: 5994471abb01112afcc18159f6cc74b4f511b99806da59b3caf5a9c173cacfc5rueven48@gmail.com" localhost:6000/api/login

Curl response:

> GET /api/login HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: 5994471abb01112afcc18159f6cc74b4f511b99806da59b3caf5a9c173cacfc5rueven48@gmail.com

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NTU4MDM5fQ.8Jq\_Juywq1NNGFKgA7z1owwQEogiXyixtu93\_Fkr2LM

< Content-Type: application/json; charset=utf-8

< Content-Length: 136

< ETag: W/"88-jSMvk/baZGB0x+3bcQ7vBYyt6jU"

< Date: Sun, 23 Dec 2018 09:40:39 GMT

< Connection: keep-alive

<

{"firstName":"rueven","lastName":"cohen","\_id":"5c1f48b344167a328c374d8b","isAdmin":false,"city":"Petah Tikva","street":"Yehoda Hanasi"}\* Connection #0 to host localhost left intact

**Description: User Login with invalid userName. (username not correct)**

Curl request:

curl -v -X GET -H "xx-auth: 5994471abb01112afcc18159f6cc74b4f511b99806da59b3caf5a9c173cacfc5rueven@gmail.com" localhost:6000/api/login

Curl response:

> GET /api/login HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: 5994471abb01112afcc18159f6cc74b4f511b99806da59b3caf5a9c173cacfc5rueven@gmail.com

>

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 66

< ETag: W/"42-yXIa0eN0s9GxjAaZuIMOf9VZhDg"

< Date: Sun, 23 Dec 2018 10:21:29 GMT

< Connection: keep-alive

<

{"error":"Notice: login denied, user name or password incorrect!"}\* Connection #0 to host localhost left intact

**Description: User Login with invalid userName pattern.**

Curl request:

curl -v -X POST -H "Content-type: application/json" -d "{\"userId\": 789543218,\"userName\": \"avinoam\", \"userPassword\" : \"6fa7527176193707926ce56d1a02a7a0199a4f69ef584663cb5b0b1a617a9caa\", \"isAdmin\" : false}" localhost:6000/api/users/register

Curl response:

> POST /api/users/register HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> Content-type: application/json

> Content-Length: 147

>

\* upload completely sent off: 147 out of 147 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 35

< ETag: W/"23-snwO4TUFrnVFrBFFnrGUSC06DeU"

< Date: Sun, 23 Dec 2018 11:39:32 GMT

< Connection: keep-alive

<

Notice: email pattern is not valid!\* Connection #0 to host localhost left intact

**Note**: there is a check for email pattern in client side, but if there is direct curl to the server must have again a check that the user doesn’t put invalid pattern email in userName.

**Entity category:**

**Description: get all categories.**

Curl request:

curl -v -X GET localhost:6000/api/categories

Curl response:

> GET /api/categories HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 274

< ETag: W/"112-YmBSAMxM1Xg0Suo9hAPu8Dbo7ro"

< Date: Mon, 24 Dec 2018 07:38:54 GMT

< Connection: keep-alive

<

[{"\_id":"5bf2c504df42c02ad8f5f472","name":"Milk And Eggs","\_\_v":0},{"\_id":"5bf2c50cdf42c02ad8f5f473","name":"Vegtables And Fruits","\_\_v":0},{"\_id":"5bf2c514df42c02ad8f5f474","name":"Meat And Fish","\_\_v":0},{"\_id":"5bf2c51bdf42c02ad8f5f475","name":"Wine And Drinks","\_\_v":0}]\* Connection #0 to host localhost left intact

**Entity product:**

**Description: get all products.**

Curl request:

curl -v -X GET localhost:6000/api/products

Curl response:

> GET /api/products HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 529

< ETag: W/"211-6X+/DnaAyxnio+vhUqhynX15qZA"

< Date: Mon, 24 Dec 2018 07:49:29 GMT

< Connection: keep-alive

<

[{"\_id":"5bf2c5badf42c02ad8f5f476","name":"milk","image":"milk.jpg","price":10,"categoryId":"5bf2c504df42c02ad8f5f472","\_\_v":0},{"\_id":"5bf2c5c8df42c02ad8f5f477","name":"cheese yellow","image":"cheeseYellow.jpg","price":14,"categoryId":"5bf2c504df42c02ad8f5f472","\_\_v":0},{"\_id":"5bf2c5fcdf42c02ad8f5f478","name":"carrot","image":"carrot.jpg","price":4,"categoryId":"5bf2c50cdf42c02ad8f5f473","\_\_v":0},{"\_id":"5bf2c602df42c02ad8f5f479","name":"wine","image":"wine.jpg","price":55,"categoryId":"5bf2c51bdf42c02ad8f5f475","\_\_v":0}]\* Connection #0 to host localhost left intact

**Description: Get all products of specific category .**

Curl request:

curl -v -X GET localhost:6000/api/products/category/5bf2c504df42c02ad8f5f472

Curl response:

> GET /api/products/category/5bf2c504df42c02ad8f5f472 HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 272

< ETag: W/"110-p6Y6AONuw4oiTe3ZZmM1o5iHq1c"

< Date: Mon, 24 Dec 2018 08:56:24 GMT

< Connection: keep-alive

<

[{"\_id":"5bf2c5badf42c02ad8f5f476","name":"milk","image":"milk.jpg","price":10,"categoryId":"5bf2c504df42c02ad8f5f472","\_\_v":0},{"\_id":"5bf2c5c8df42c02ad8f5f477","name":"cheese yellow","image":"cheeseYellow.jpg","price":14,"categoryId":"5bf2c504df42c02ad8f5f472","\_\_v":0}]\* Connection #0 to host localhost left intact

**Description: Get product by name.**

Curl request:

curl -v -X GET localhost:6000/api/products/carrot

Curl response:

> GET /api/products/carrot HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 141

< ETag: W/"8d-B1oniDyrhQqssibpuUfc5CAIUdo"

< Date: Mon, 24 Dec 2018 10:03:39 GMT

< Connection: keep-alive

<

{"items":[{"\_id":"5bf2c5fcdf42c02ad8f5f478","name":"carrot","image":"carrot.jpg","price":4,"categoryId":"5bf2c50cdf42c02ad8f5f473","\_\_v":0}]}\* Connection #0 to host localhost left intact

**Description: Count all products in the shop.**

Curl request:

curl -v -X GET localhost:6000/api/products/count

Curl response:

> GET /api/products/count HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 13

< ETag: W/"d-kGHiFOBoMTflFZJEWWmbggbhMgc"

< Date: Mon, 24 Dec 2018 10:09:08 GMT

< Connection: keep-alive

<

{"counter":4}\* Connection #0 to host localhost left intact

**Description: Create product by admin.**

Curl request:

curl -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMwZTljYjZkNDBlOTQzM2QwN2Q5NTBjIiwiaWF0IjoxNTQ1NjQ2NzE0fQ.OjjiHaMpoND0uW5cZXiggWyYVYREtxyYlVh9pRqtqvk" -H "Content-type: application/json" -d "{\"name\": \"carrot\",\"image\": \"carrot.jpg\", \"price\" : 4, \"categoryId\": \"5bf2c50cdf42c02ad8f5f473\"}" localhost:6000/api/products

Curl response:

> POST /api/products HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMwZTljYjZkNDBlOTQzM2QwN2Q5NTBjIiwiaWF0IjoxNTQ1NjQ2NzE0fQ.OjjiHaMpoND0uW5cZXiggWyYVYREtxyYlVh9pRqtqvk

> Content-type: application/json

> Content-Length: 95

>

\* upload completely sent off: 95 out of 95 bytes

< HTTP/1.1 201 Created

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 67

< ETag: W/"43-lm7MCeJU6olfqZ5h4swKKHydQyk"

< Date: Mon, 24 Dec 2018 10:25:49 GMT

< Connection: keep-alive

<

{"success\_message":"save successfully!"}\* Connection #0 to host localhost left intact

**Description: Create product invalid by user. (use user token to try to add product)**

Curl request:

curl -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjQ3NDYyfQ.eIFWFmODdFviFF\_zB894F7EzfIo526fAVQTCpV5B0UU" -H "Content-type: application/json" -d "{\"name\": \"carrot\",\"image\": \"carrot.jpg\", \"price\" : 4, \"categoryId\": \"5bf2c50cdf42c02ad8f5f473\"}" localhost:6000/api/products

Curl response:

> POST /api/products HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjQ3NDYyfQ.eIFWFmODdFviFF\_zB894F7EzfIo526fAVQTCpV5B0UU

> Content-type: application/json

> Content-Length: 95

>

\* upload completely sent off: 95 out of 95 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Date: Mon, 24 Dec 2018 10:33:31 GMT

< Connection: keep-alive

< Content-Length: 0

<

\* Connection #0 to host localhost left intact

**Description: Update product by admin**.

Curl request:

curl -v -X PUT -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMwZTljYjZkNDBlOTQzM2QwN2Q5NTBjIiwiaWF0IjoxNTQ1NjQ2NzE0fQ.OjjiHaMpoND0uW5cZXiggWyYVYREtxyYlVh9pRqtqvk" -H "Content-type: application/json" -d "{\"name\": \"carrot\",\"image\": \"carrot.jpg\", \"price\" : 5, \"categoryId\": \"5bf2c50cdf42c02ad8f5f473\" }" localhost:6000/api/products/5c20b76da4fd001018704344

Curl response:

> PUT /api/products/5c20b76da4fd001018704344 HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMwZTljYjZkNDBlOTQzM2QwN2Q5NTBjIiwiaWF0IjoxNTQ1NjQ2NzE0fQ.OjjiHaMpoND0uW5cZXiggWyYVYREtxyYlVh9pRqtqvk

> Content-type: application/json

> Content-Length: 96

>

\* upload completely sent off: 96 out of 96 bytes

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 67

< ETag: W/"43-lm7MCeJU6olfqZ5h4swKKHydQyk"

< Date: Mon, 24 Dec 2018 10:48:38 GMT

< Connection: keep-alive

<

{"success\_message":"save successfully!"}\* Connection #0 to host localhost left intact

**Description: Update product invalid by user. (use user token to try to add product)**

Curl request:

curl -v -X PUT -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjQ3NDYyfQ.eIFWFmODdFviFF\_zB894F7EzfIo526fAVQTCpV5B0UU " -H "Content-type: application/json" -d "{\"name\": \"carrot\",\"image\": \"carrot.jpg\", \"price\" : 6, \"categoryId\": \"5bf2c50cdf42c02ad8f5f473\" }" localhost:6000/api/products/5c20b76da4fd001018704344

Curl response:

> PUT /api/products/5c20b76da4fd001018704344 HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjQ3NDYyfQ.eIFWFmODdFviFF\_zB894F7EzfIo526fAVQTCpV5B0UU

> Content-type: application/json

> Content-Length: 96

>

\* upload completely sent off: 96 out of 96 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 29

< ETag: W/"1d-u4H+rYEaqeEIvVnIMRIrqPjsgEg"

< Date: Mon, 24 Dec 2018 11:05:09 GMT

< Connection: keep-alive

<

invalid token in this request\* Connection #0 to host localhost left intact

**Entity cart:**

**Description: Get all** **carts of specific user.**

Curl request:

curl -v -X GET -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjUxMDU3fQ.6QndYWz8wLkIidOu6w8hILXgQPGaZyqwwO9iXTsEzBU" localhost:6000/api/carts/user/5c1f48b344167a328c374d8b

Curl response:

> GET /api/carts/user/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjUxMDU3fQ.6QndYWz8wLkIidOu6w8hILXgQPGaZyqwwO9iXTsEzBU

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 267

< ETag: W/"10b-wXqJK24zARrkwEf3RAF7XW4aVhM"

< Date: Mon, 24 Dec 2018 11:31:27 GMT

< Connection: keep-alive

<

{"carts":[{"\_id":"5c20c0ca63260d2024342d22","userId":"5c1f48b344167a328c374d8b","isOpen":false,"date":"2018-12-24T11:19:38.657Z","\_\_v":0},{"\_id":"5c20c0e763260d2024342d25","userId":"5c1f48b344167a328c374d8b","isOpen":false,"date":"2018-12-24T11:20:07.569Z","\_\_v":0}]}\* Connection #0 to host localhost left intact

**Entity cart item:**

**Description: Get all cart items of specific user that have open cart to display.**

Curl request:

curl -v -X GET -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjUxMDU3fQ.6QndYWz8wLkIidOu6w8hILXgQPGaZyqwwO9iXTsEzBU" localhost:6000/api/cartItems/user/5c1f48b344167a328c374d8b

Curl response:

> GET /api/cartItems/user/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjUxMDU3fQ.6QndYWz8wLkIidOu6w8hILXgQPGaZyqwwO9iXTsEzBU

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 184

< ETag: W/"b8-iaERzcjRl1vzuy8NJI5Zdcgpa/c"

< Date: Mon, 24 Dec 2018 13:58:54 GMT

< Connection: keep-alive

<

[{"\_id":"5c20e614f2d1901bacd08647","name":"wine","price":55,"image":"wine.jpg","productId":"5bf2c602df42c02ad8f5f479","quantity":1,"totalPrice":55,"cartId":"5c20e614f2d1901bacd08646"}]\* Connection #0 to host localhost left intact

**Description: Create new item of cart by user.**

Curl request:

curl -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk" -H "Content-type: application/json" -d "{\"productId\": \"5c20b76da4fd001018704344\",\"quantity\": 1, \"totalPrice\" : 9, \"cartId\": \"5c20e9fff2d1901bacd0864a\"}" localhost:6000/api/cartItems/5c1f48b344167a328c374d8b

Curl response:

> POST /api/cartItems/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk

> Content-type: application/json

> Content-Length: 111

>

\* upload completely sent off: 111 out of 111 bytes

< HTTP/1.1 201 Created

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 184

< ETag: W/"b8-ib/iUW+hNpbCWhWS0eaV1pTJE5E"

< Date: Mon, 24 Dec 2018 14:19:31 GMT

< Connection: keep-alive

<

{"productId":"5c20b76da4fd001018704344","quantity":1,"totalPrice":5,"cartId":"5c20e9fff2d1901bacd0864a","name":"carrot","price":5,"image":"carrot.jpg","\_id":"5c20eaf3f2d1901bacd0864c"}\* Connection #0 to host localhost left intact

**Description: Create new item of cart by user invalid with quantity less than 1.**

Curl request:

curl -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk" -H "Content-type: application/json" -d "{\"productId\": \"5c20b76da4fd001018704344\",\"quantity\": -1, \"totalPrice\" : 10, \"cartId\": \"5c21ef813e4abb06ece3c195\"}" localhost:6000/api/cartItems/5c1f48b344167a328c374d8b

Curl response:

> POST /api/cartItems/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk

> Content-type: application/json

> Content-Length: 113

>

\* upload completely sent off: 113 out of 113 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 45

< ETag: W/"2d-pFpUnpTwFCSy0bWbnJLJUu1NvZg"

< Date: Tue, 25 Dec 2018 08:54:16 GMT

< Connection: keep-alive

<

Notice: the quantity you send is less then 1!\* Connection #0 to host localhost left intact

**Description: Update current item of cart by user. (updating is quantity)**

Curl request:

curl -v -X PUT -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk" -H "Content-type: application/json" -d "{\"productId\": \"5c20b76da4fd001018704344\",\"quantity\": 2, \"totalPrice\" : 10, \"cartId\": \"5c20e9fff2d1901bacd0864a\"}" localhost:6000/api/cartItems/user?userId=5c1f48b344167a328c374d8b

Curl response:

> PUT /api/cartItems/user?userId=5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk

> Content-type: application/json

> Content-Length: 112

>

\* upload completely sent off: 112 out of 112 bytes

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 185

< ETag: W/"b9-bNpzxYwzWxvc2soOO9osn2YgwVA"

< Date: Mon, 24 Dec 2018 14:44:05 GMT

< Connection: keep-alive

<

{"\_id":"5c20eaf3f2d1901bacd0864c","productId":"5c20b76da4fd001018704344","quantity":2,"cartId":"5c20e9fff2d1901bacd0864a","totalPrice":10,"name":"carrot","price":5,"image":"carrot.jpg"}\* Connection #0 to host localhost left intact

**Description: Update current item of cart by user invalid with quantity less than 1.**

Curl request:

curl -v -X PUT -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk" -H "Content-type: application/json" -d "{\"productId\": \"5bf2c5badf42c02ad8f5f476\",\"quantity\": -1, \"totalPrice\" : 10, \"cartId\": \"5c21f33ccc87a237c0f0b5b7\"}" localhost:6000/api/cartItems/user?userId=5c1f48b344167a328c374d8b

Curl response:

> PUT /api/cartItems/user?userId=5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk

> Content-type: application/json

> Content-Length: 113

>

\* upload completely sent off: 113 out of 113 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 45

< ETag: W/"2d-pFpUnpTwFCSy0bWbnJLJUu1NvZg"

< Date: Tue, 25 Dec 2018 09:08:45 GMT

< Connection: keep-alive

<

Notice: the quantity you send is less then 1!\* Connection #0 to host localhost left intact

**Description: Update current item of cart by user. (updating is price)**

Curl request:

curl -v -X PUT -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk" -H "Content-type: application/json" -d "{\"productId\": \"5c20b76da4fd001018704344\",\"quantity\": 2, \"totalPrice\" : 5, \"cartId\": \"5c20e9fff2d1901bacd0864a\"}" localhost:6000/api/cartItems/user?userId=5c1f48b344167a328c374d8b

Curl response:

> PUT /api/cartItems/user?userId=5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjYwODYyfQ.j2h0c\_Wu4LxjelfEPJ\_BP7ngjzMDW47cbUzjUEGelzk

> Content-type: application/json

> Content-Length: 111

>

\* upload completely sent off: 111 out of 111 bytes

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 185

< ETag: W/"b9-bNpzxYwzWxvc2soOO9osn2YgwVA"

< Date: Mon, 24 Dec 2018 14:49:41 GMT

< Connection: keep-alive

<

{"\_id":"5c20eaf3f2d1901bacd0864c","productId":"5c20b76da4fd001018704344","quantity":2,"cartId":"5c20e9fff2d1901bacd0864a","totalPrice":10,"name":"carrot","price":5,"image":"carrot.jpg"}\* Connection #0 to host localhost left intact

**Note: the result is 200 OK because the curl did update all fields, but in serve side the calculate price come from Db and not what the user give us so this the reason it didn’t change the price as the user wanted.**

**The same idea goes on create item so there is no need to do it again it this api doc.**

**Description: Delete current item of cart by user.**

Curl request:

curl -v -X DELETE -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo" -H "Content-type: application/json" "localhost:6000/api/cartItem/user?itemId=5c20fc49f2d1901bacd0864e&cartId=5c20e9fff2d1901bacd0864a"

Curl response:

> DELETE /api/cartItem/user?itemId=5c20fc49f2d1901bacd0864e&cartId=5c20e9fff2d1901bacd0864a HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo

> Content-type: application/json

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 37

< ETag: W/"25-cswsyoAwhrJF/mlzx8AOZ3gqbBw"

< Date: Mon, 24 Dec 2018 15:34:45 GMT

< Connection: keep-alive

<

{"itemId":"5c20fc49f2d1901bacd0864e"}\* Connection #0 to host localhost left intact

**Description: Delete all items of cart by user.**

Curl request:

curl -v -X DELETE -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo" -H "Content-type: application/json" "localhost:6000/api/cartItems/user?cartId=5c20e9fff2d1901bacd0864a"

Curl response:

> DELETE /api/cartItems/user?cartId=5c20e9fff2d1901bacd0864a HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo

> Content-type: application/json

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 37

< ETag: W/"25-xpV9ngiUeSbOH2khfa3kvDLT3k4"

< Date: Mon, 24 Dec 2018 15:59:41 GMT

< Connection: keep-alive

<

{"cartId":"5c20e9fff2d1901bacd0864a"}\* Connection #0 to host localhost left intact

**Entity order: (look for note in shipping date at the end of entity)**

**Description: Get all orders of specific user.**

Curl request:

curl -v -X GET -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo" localhost:6000/api/orders/5c1f48b344167a328c374d8b

Curl response:

> GET /api/orders/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY0Mzc5fQ.8hmno6NI4z83-DK\_\_DKCid3RuM9zRdxrl4mTmuXIjwo

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 548

< ETag: W/"224-lPNwgZzA1h6PCofetFIC3sk+syU"

< Date: Mon, 24 Dec 2018 16:15:07 GMT

< Connection: keep-alive

<

{"orders":[{"\_id":"5c20c0d863260d2024342d24","city":"Petah Tikva","street":"Yehoda Hanasi","shippingDate":"2018-12-26","creditCardDigits":1234,"totalPrice":11,"userId":"5c1f48b344167a328c374d8b","cartId":"5c20c0ca63260d2024342d22","orderDate":"2018-12-24T11:19:52.318Z","\_\_v":0},{"\_id":"5c20c0f263260d2024342d27","city":"Petah Tikva","street":"Yehoda Hanasi","shippingDate":"2018-12-28","creditCardDigits":1234,"totalPrice":14,"userId":"5c1f48b344167a328c374d8b","cartId":"5c20c0e763260d2024342d25","orderDate":"2018-12-24T11:20:18.894Z","\_\_v":0}]}\* Connection #0 to host localhost left intact

**Description: Create new order of user.**

Curl request:

curl -g -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI" -H "Content-type: application/json" -d "{\"userId\": \"5c1f48b344167a328c374d8b\", \"city\": \"Petah Tikva\",\"street\": \"Yehoda Hanasi\", \"shippingDate\" : \"2018-12-29\", \"creditCardDigits\": 1234, \"totalPrice\": 100, \"cartId\": \"5c210b8af2d1901bacd08650\" }" localhost:6000/api/orders/5c1f48b344167a328c374d8b

Curl response:

> POST /api/orders/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI

> Content-type: application/json

> Content-Length: 202

>

\* upload completely sent off: 202 out of 202 bytes

< HTTP/1.1 201 Created

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 268

< ETag: W/"10c-+fTlwvwc4mCbEMyb5GfquWwV2hk"

< Date: Mon, 24 Dec 2018 17:14:00 GMT

< Connection: keep-alive

<

{"\_id":"5c2113d8f2d1901bacd08655","userId":"5c1f48b344167a328c374d8b","city":"Petah Tikva","street":"Yehoda Hanasi","shippingDate":"2018-12-29","creditCardDigits":1234,"totalPrice":100,"cartId":"5c211398f2d1901bacd08653","orderDate":"2018-12-24T17:14:00.349Z","\_\_v":0}\* Connection #0 to host localhost left intact

**Description: Create new order of user invalid . (there are 3 0rders with the same shipping date)**

Curl request:

curl -g -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI" -H "Content-type: application/json" -d "{\"userId\": \"5c1f48b344167a328c374d8b\", \"city\": \"Petah Tikva\",\"street\": \"Yehoda Hanasi\", \"shippingDate\" : \"2018-12-31\", \"creditCardDigits\": 1234, \"totalPrice\": 100, \"cartId\": \"5c210b8af2d1901bacd08650\" }" localhost:6000/api/orders/5c1f48b344167a328c374d8b

Curl response:

> POST /api/orders/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI

> Content-type: application/json

> Content-Length: 202

>

\* upload completely sent off: 202 out of 202 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: application/json; charset=utf-8

< Content-Length: 68

< ETag: W/"44-cyr9mxoX9sneLwNi8jom7zfwxQQ"

< Date: Sun, 30 Dec 2018 12:59:38 GMT

< Connection: keep-alive

<

{"error":"Notice: there is 3 orders already in this shipping date!"}\* Connection #0 to host localhost left intact

**Description: Create new order of user invalid . (the pattern of shipping date is invalid)**

Curl request:

curl -g -v -X POST -H "xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI" -H "Content-type: application/json" -d "{\"userId\": \"5c1f48b344167a328c374d8b\", \"city\": \"Petah Tikva\",\"street\": \"Yehoda Hanasi\", \"shippingDate\" : \"2018/12/31\", \"creditCardDigits\": 1234, \"totalPrice\": 100, \"cartId\": \"5c210b8af2d1901bacd08650\" }" localhost:6000/api/orders/5c1f48b344167a328c374d8b

Curl response:

> POST /api/orders/5c1f48b344167a328c374d8b HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

> xx-auth: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbklkIjoiNWMxZjQ4YjM0NDE2N2EzMjhjMzc0ZDhiIiwiaWF0IjoxNTQ1NjY5ODQ2fQ.66MtnmwpCRMKnd0eddFgl-oMfToRrZnc0S9KqwpJlrI

> Content-type: application/json

> Content-Length: 202

>

\* upload completely sent off: 202 out of 202 bytes

< HTTP/1.1 401 Unauthorized

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 45

< ETag: W/"2d-iHC1V/MY2hi8hDiJOrv4o6iotb0"

< Date: Sun, 30 Dec 2018 13:12:04 GMT

< Connection: keep-alive

<

Notice: the shipping date pattern is invalid!\* Connection #0 to host localhost left intact

**Description: Count all orders in Db.**

Curl request:

curl -v -X GET localhost:6000/api/orders/count

Curl response:

> GET /api/orders/count HTTP/1.1

> Host: localhost:6000

> User-Agent: curl/7.55.1

> Accept: \*/\*

>

< HTTP/1.1 200 OK

< X-Powered-By: Express

< Content-Type: text/html; charset=utf-8

< Content-Length: 13

< ETag: W/"d-kGHiFOBoMTflFZJEWWmbggbhMgc"

< Date: Mon, 24 Dec 2018 17:52:58 GMT

< Connection: keep-alive

<

{"counter":4}\* Connection #0 to host localhost left intact

**Note:** all shipping date must follow the pattern **YYYY-MM-DD** in curl request.

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**Global Note: there are some curls that I didn’t wrote on purpose because I did not wont to let access to regular user and admin those are only for architecture design of the code so I made at the end of each controller at server side an additional tool kit functions only for the designer of the code.**

**Example: function create category can be apply at the end of the controller with post request**

**But there is no need for her for the user or the admin entity.**