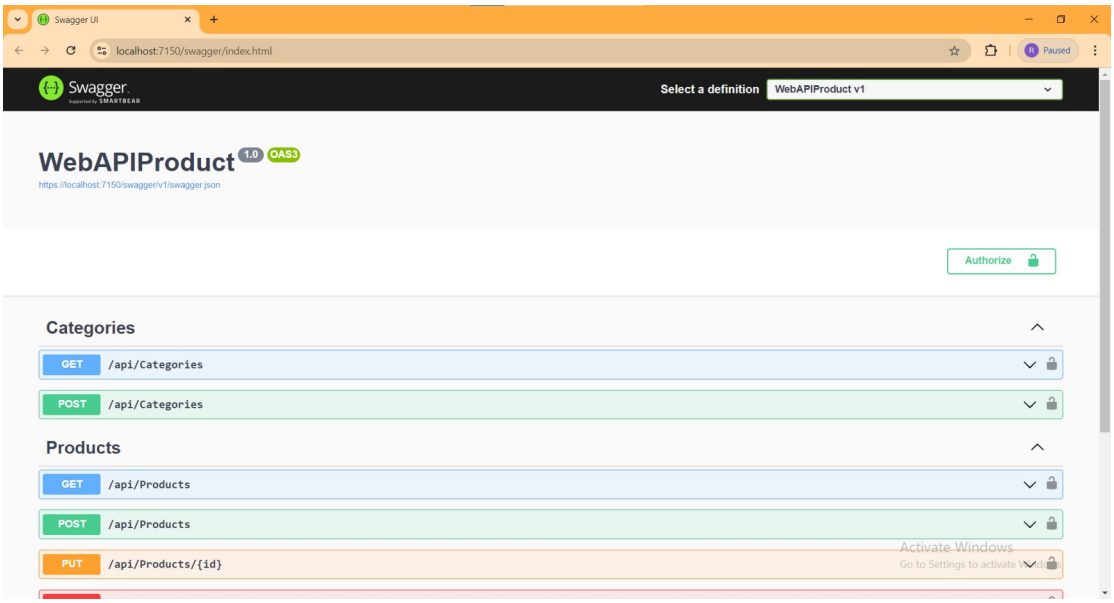
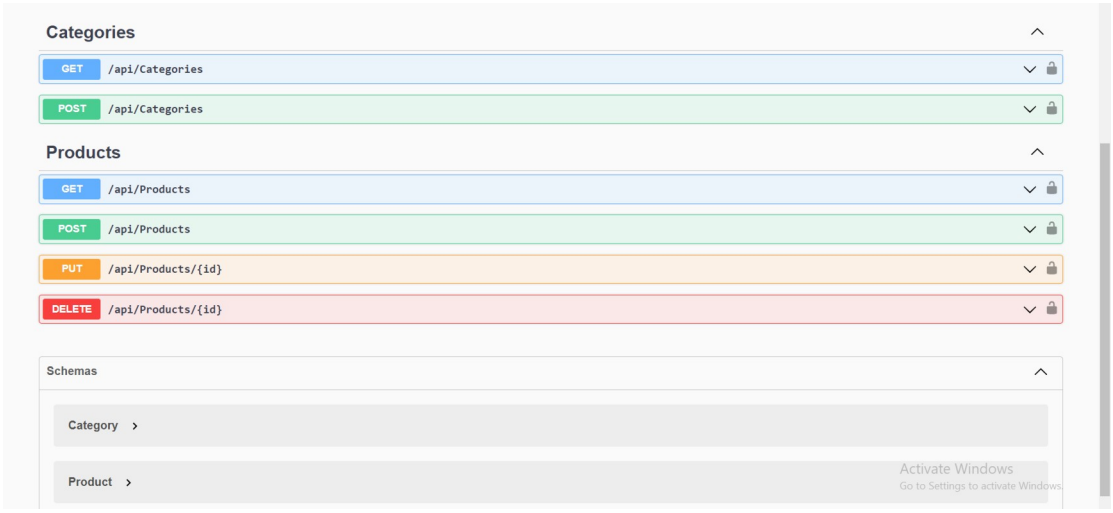
Web API Test Report

1. Project Build Test- Passed

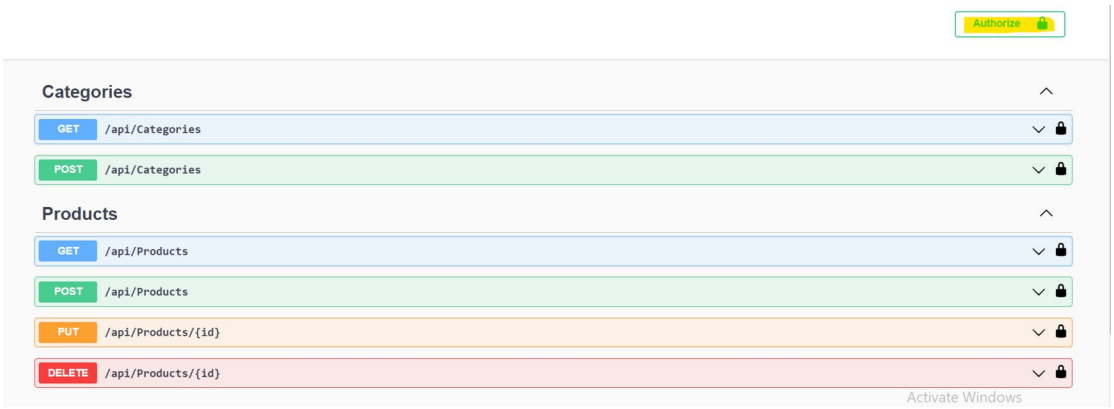
Navigation -> vs 2022 - build.

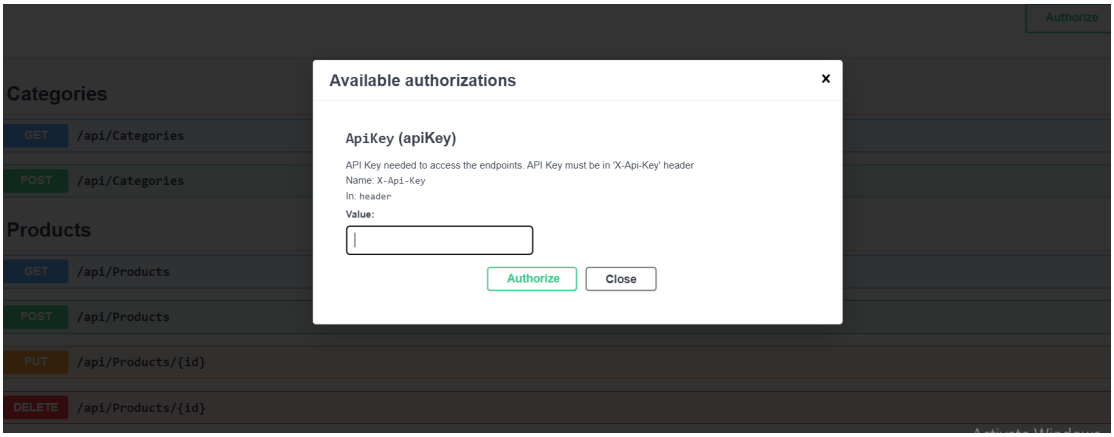


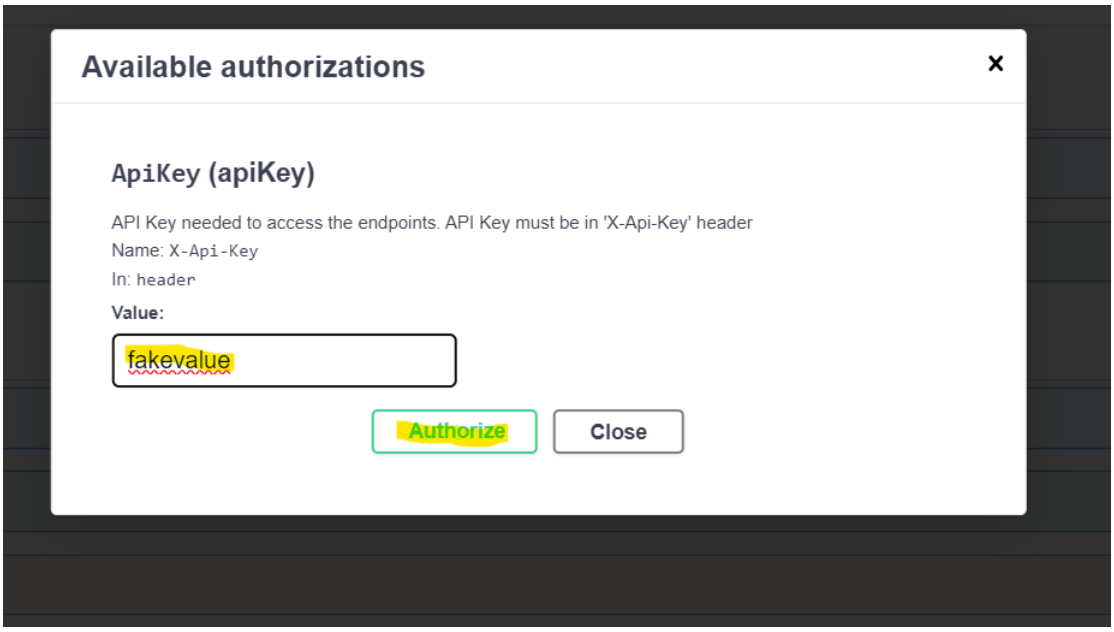


2. fake Value Autherization Test - Passed

navigation -> vs 2022 - build - swagger page - Authrize button

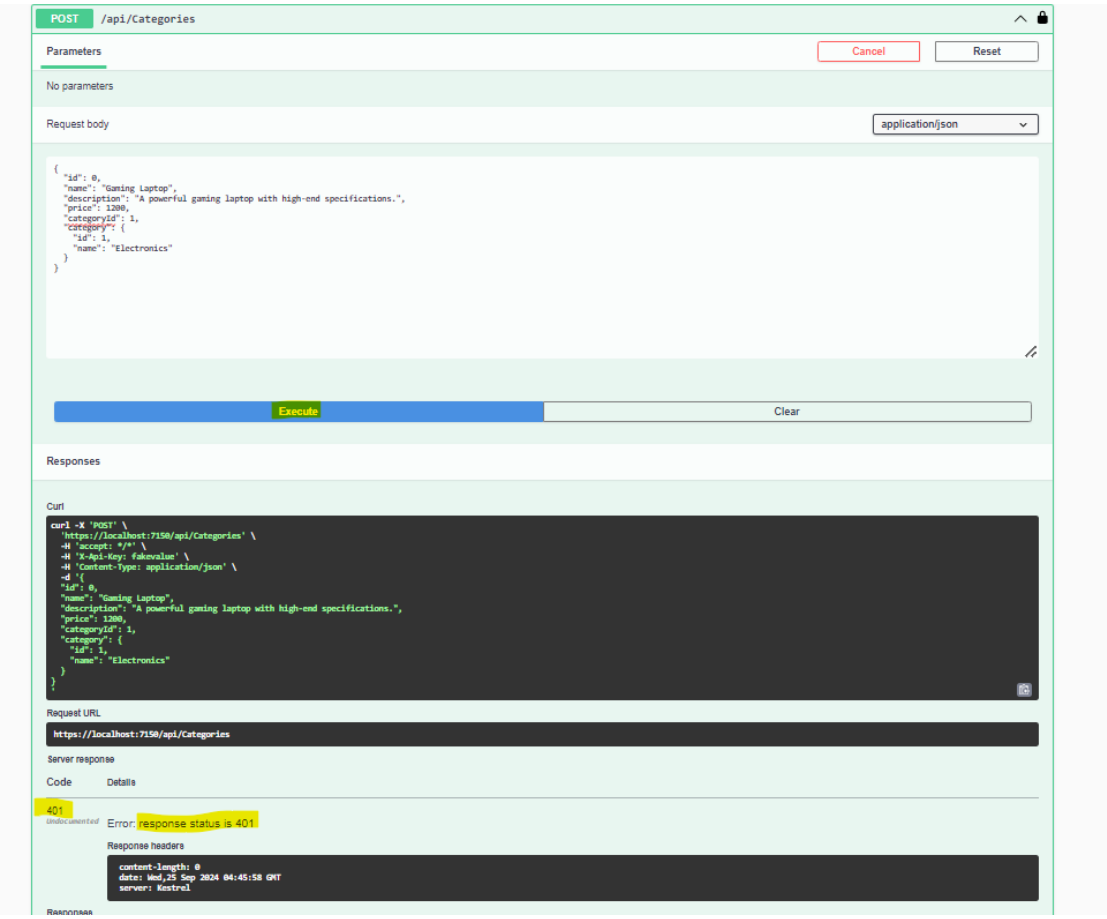

Authorize
Categories
GET /api/Categories
POST /api/Categories
Products
GET /api/Products
POST /api/Products
PUT /api/Products/{id}
DELETE /api/Products/{id}
Activate Windows


Authorize
Categories
GET /api/Categories
POST /api/Categories
Products
GET /api/Products
POST /api/Products
PUT /api/Products/{id}
DELETE /api/Products/{id}
Available authorizations
ApiKey (apiKey)
API Key needed to access the endpoints. API Key must be in 'X-Api-Key' header
Name: X-Api-Key
In: header
Value:
Authorize
Close


Available authorizations
ApiKey (apiKey)
API Key needed to access the endpoints. API Key must be in 'X-Api-Key' header
Name: X-Api-Key
In: header
Value:
fakevalue
Authorize
Close

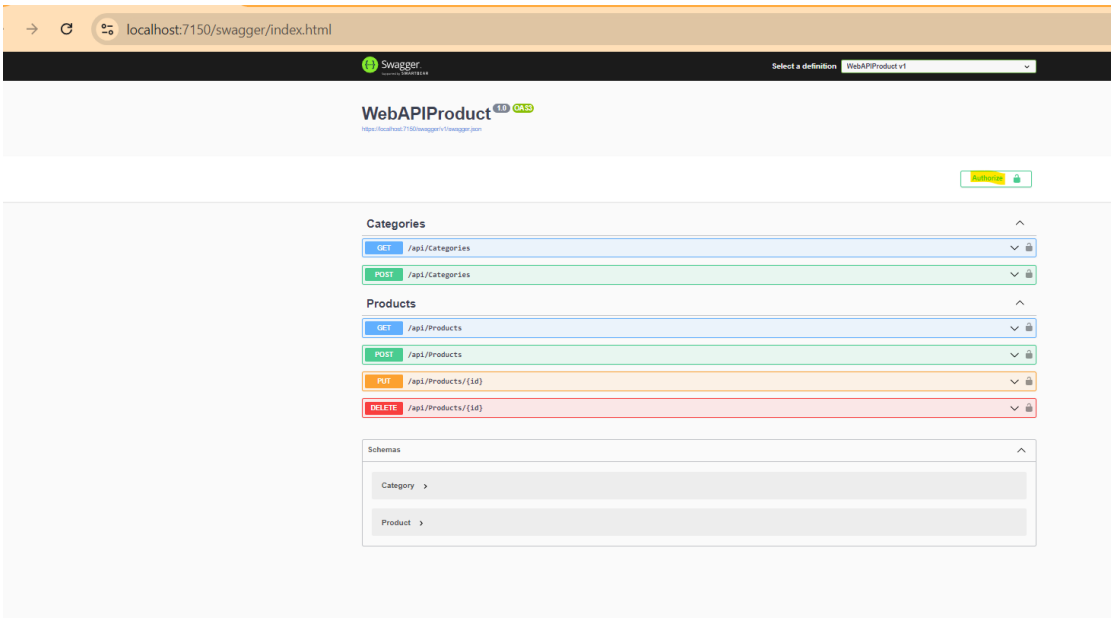
2.1.1 Atherization failed Passed

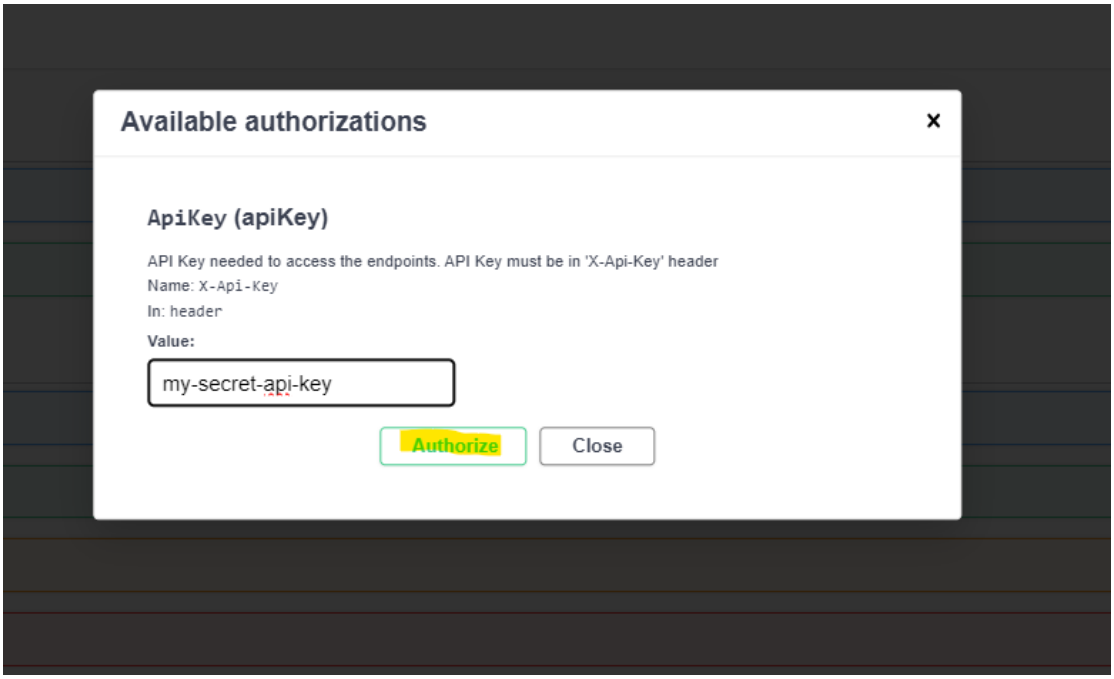
Navigation :- Post /api/Categories -> try it out -> put payload -> Execute.

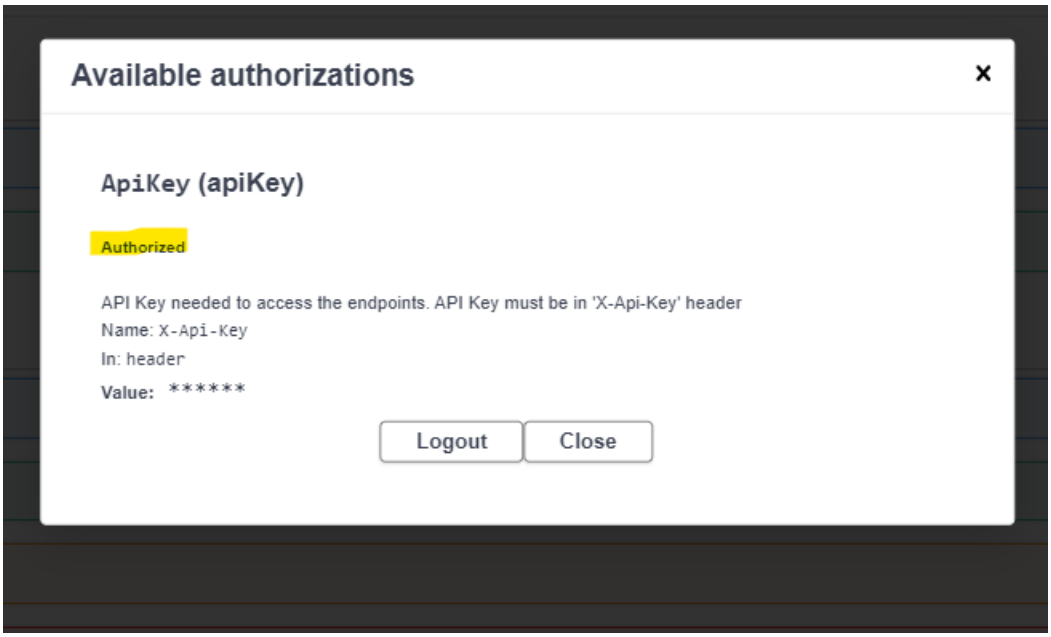


2.2 Real value Autherization Passed

Navigation :- vs 2022 -> build -> swagger page -> Authorize button.

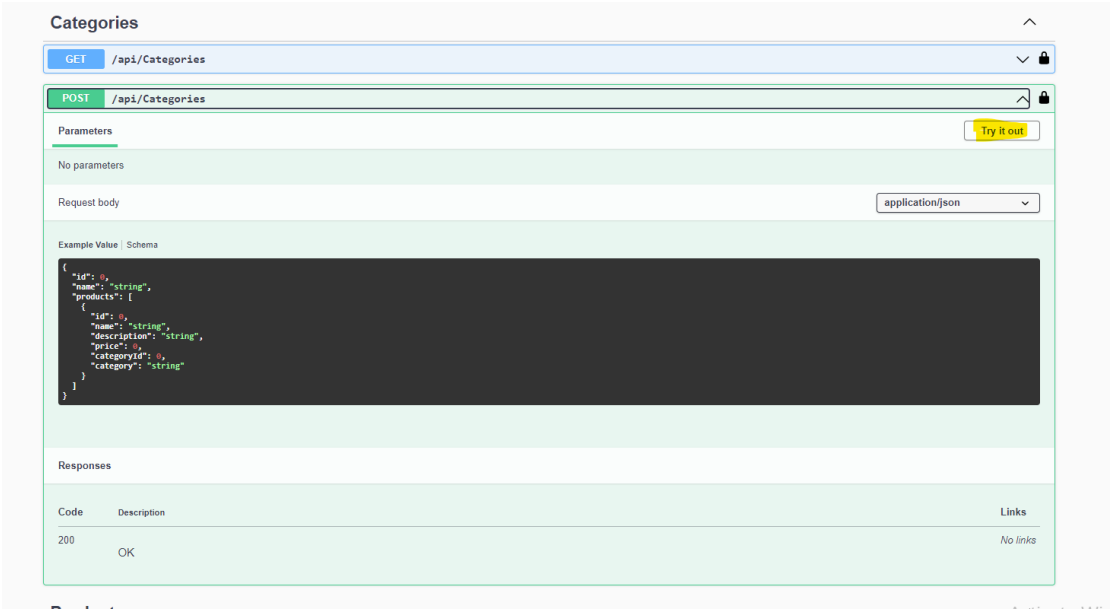

localhost:7150/swagger/index.html
Swagger
Select a definition
WebAPIProduct v1
WebAPIProduct
Authorize
Categories
GET /api/Categories
POST /api/Categories
Products
GET /api/Products
POST /api/Products
PUT /api/Products/{id}
DELETE /api/Products/{id}
Schemas
Category
Product

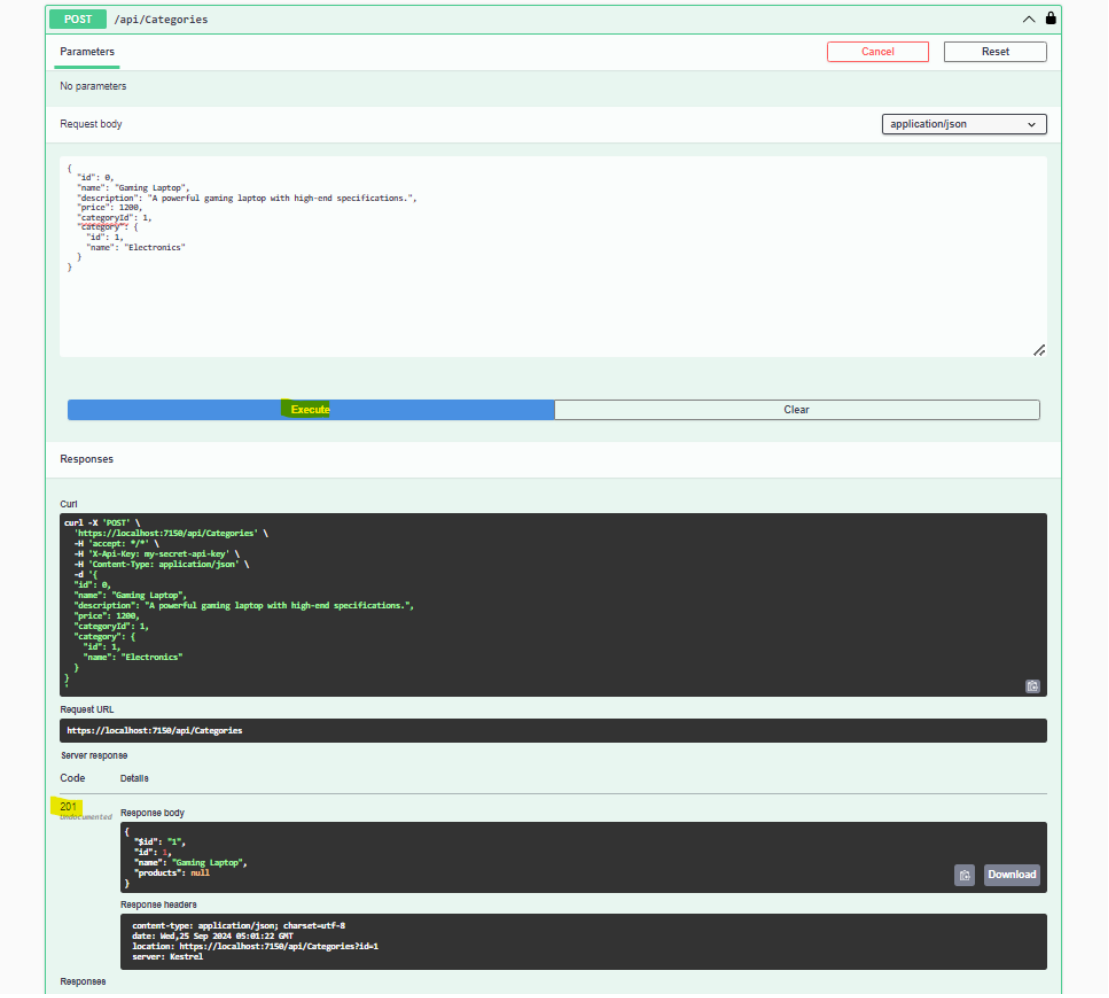

Available authorizations
ApiKey (apiKey)
API Key needed to access the endpoints. API Key must be in 'X-Api-Key' header
Name: X-Api-Key
In: header
Value:
my-secret-api-key
Authorize
Close



2.2.1 Authrization Test Passed

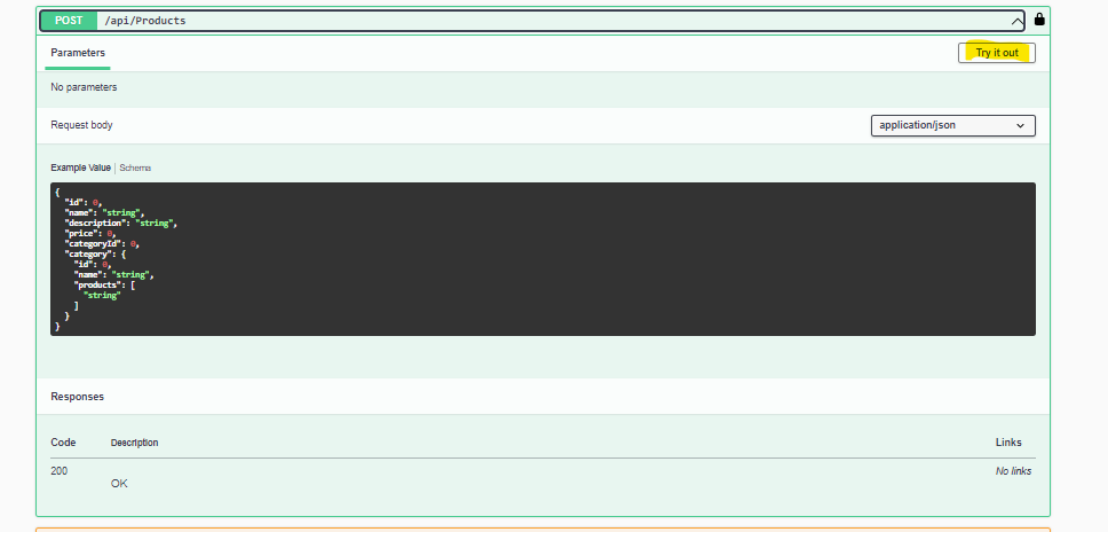
Navigation:- vs 2022 -> build -> swagger -> authrization -> post /api/Categories -> put payload -> Exacute

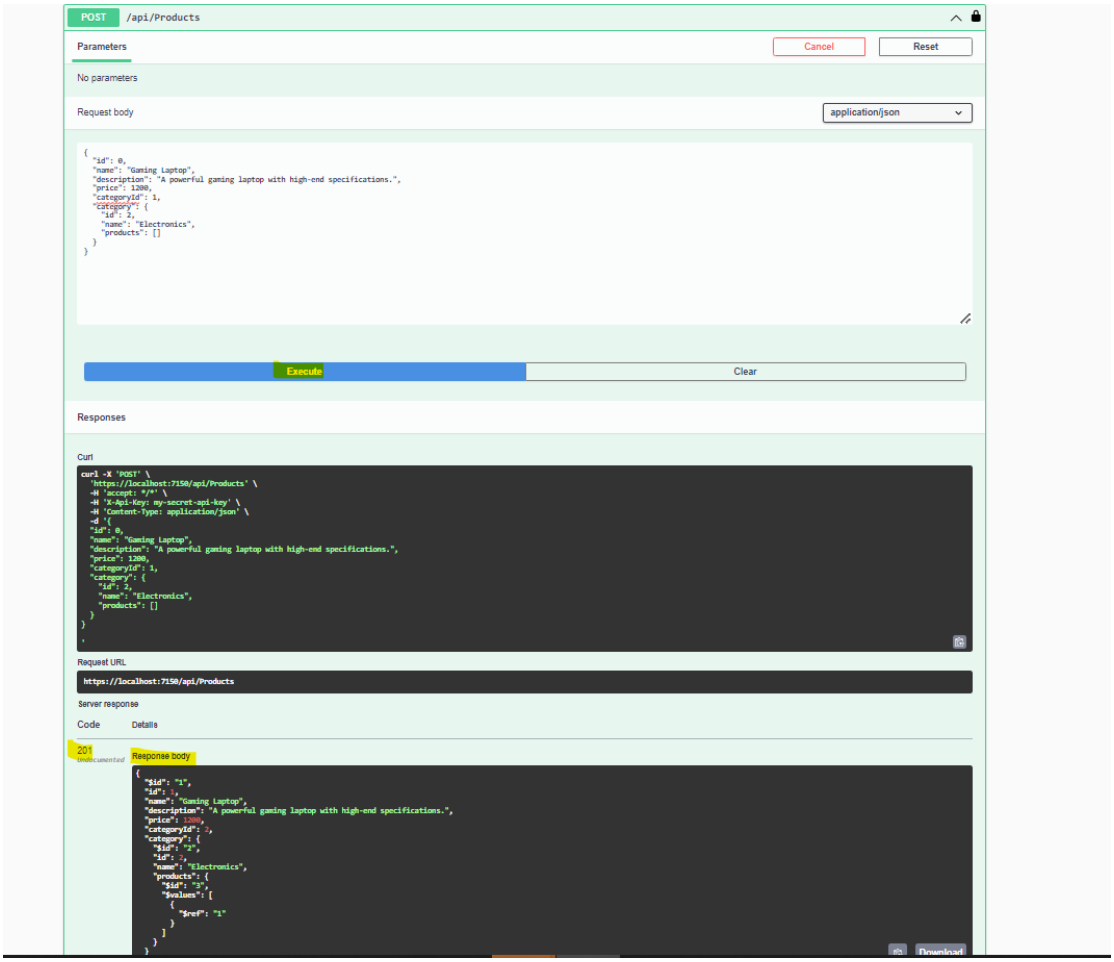




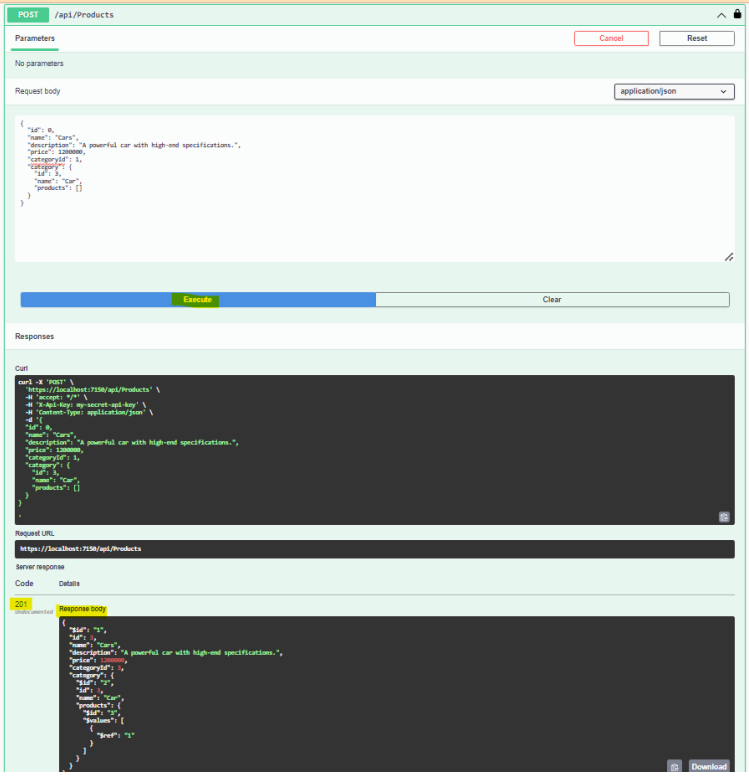
3.Product Post api Test- Passed

Navigation:- Navigation:- vs 2022 -> build -> swagger -> authrization -> post /api/Products -> put payload -> Exacute

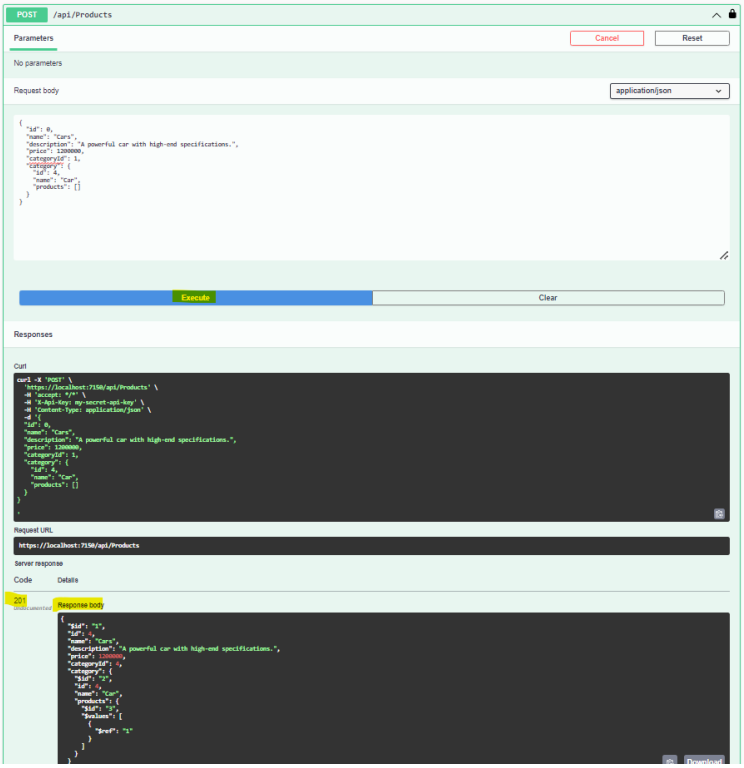

POST
/api/Products
Parameters
Try it out
No parameters
Request body
application/json
Example Value | Schema
{
"id": 0,
"name": "string",
"description": "string",
"price": 0,
"categoryId": 0,
"category": {
"id": 0,
"name": "string",
"products": [
"string"
]
}
}
Responses
Code
Description
Links
200
OK
No links


POST
/api/Products
Parameters
Cancel
Reset
No parameters
Request body
application/json
{
"id": 0,
"name": "Gaming Laptop",
"description": "A powerful gaming laptop with high-end specifications.",
"price": 1200,
"categoryId": 1,
"category": {
"id": 2,
"name": "Electronics",
"products": []
}
}
Execute
Clear
Responses
Curl
curl -X 'POST' \
'https://localhost:7158/api/Products' \
-H 'accept: */*' \
-H 'X-Api-Key: my-secret-api-key' \
-H 'Content-Type: application/json' \
-d '{
"id": 0,
"name": "Gaming Laptop",
"description": "A powerful gaming laptop with high-end specifications.",
"price": 1200,
"categoryId": 1,
"category": {
"id": 2,
"name": "Electronics",
"products": []
}
}'
Request URL
https://localhost:7158/api/Products
Server response
Code
Details
201
Response body
{
"$id": "1",
"id": 1,
"name": "Gaming Laptop",
"description": "A powerful gaming laptop with high-end specifications.",
"price": 1200,
"categoryId": 2,
"category": {
"$id": "2",
"id": 2,
"name": "Electronics",
"products": {
"$id": "3",
"$values": [
{
"$ref": "1"
}
]
}
}
}
Download

localhost:7150/swagger/index.html

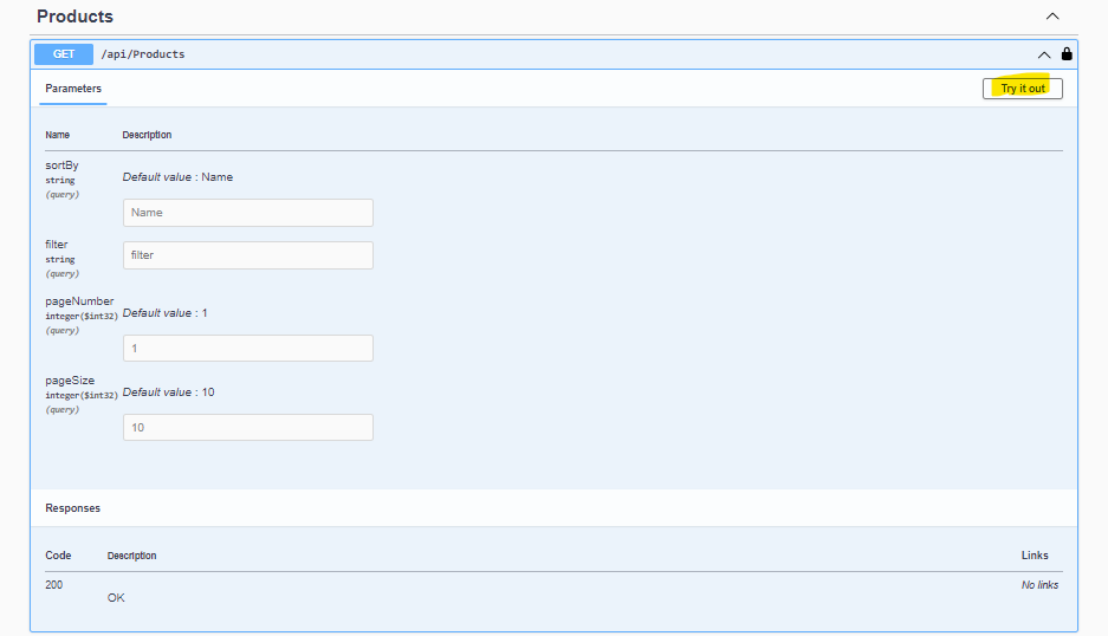


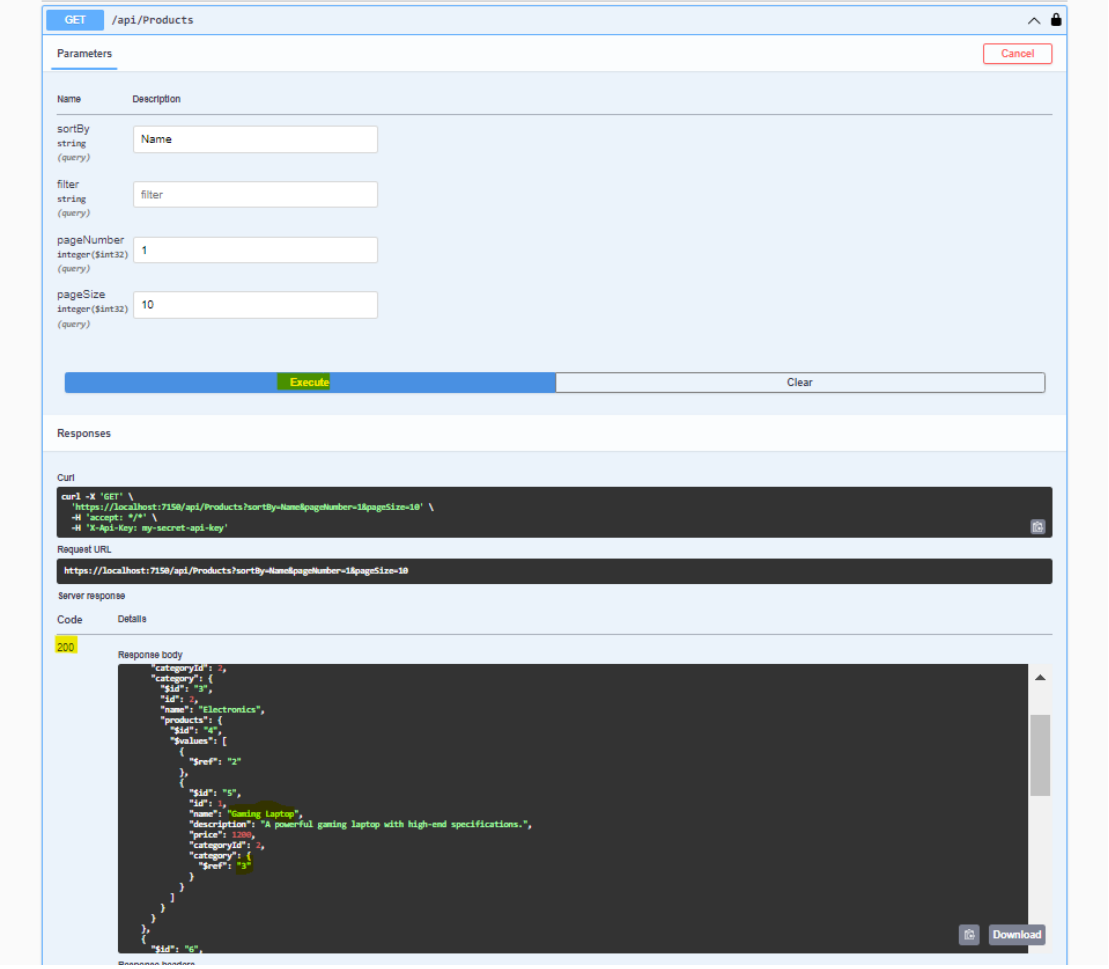
localhost:7150/swagger/index.html

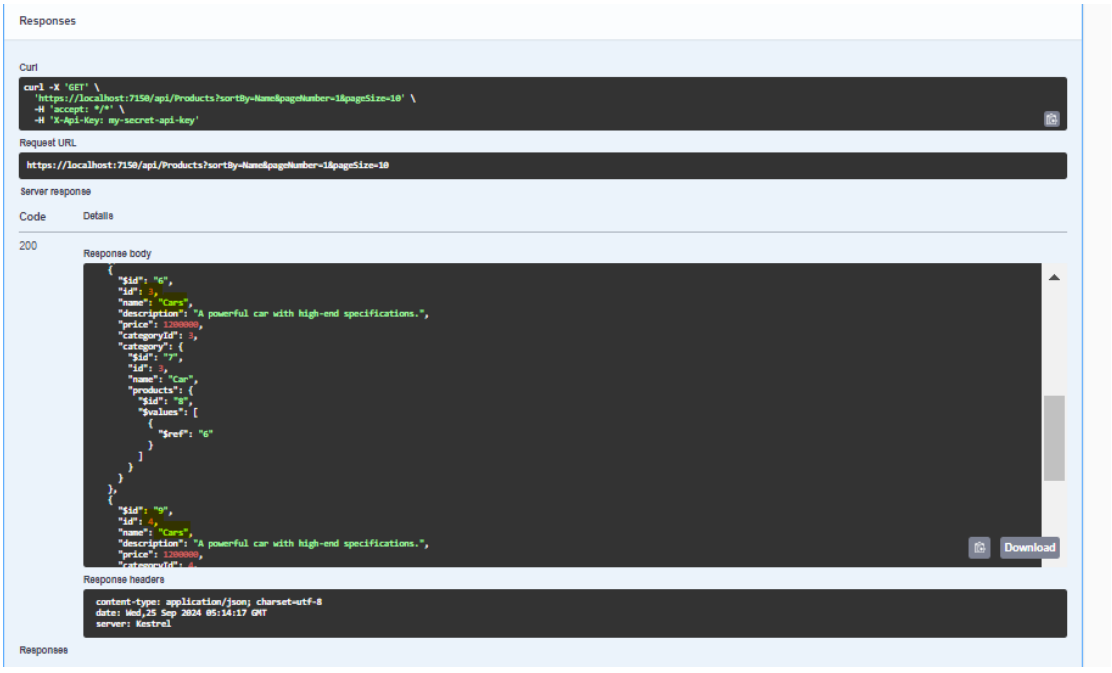


4. Get Product Api Test - Passed

Navigation:- Navigation:- vs 2022 -> build -> swagger -> authrization -> Get/api/Products Exacute

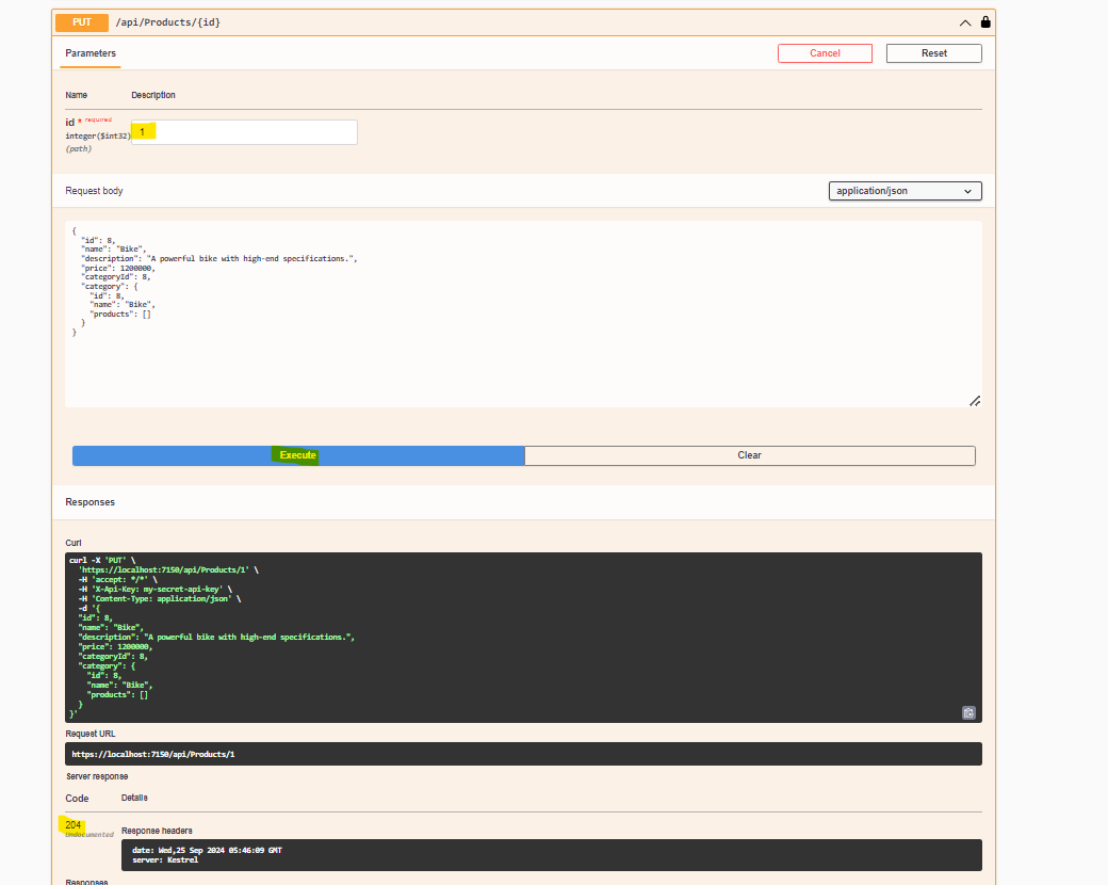



GET
/api/Products
Parameters
Cancel
Name
Description
sortBy
string
(query)
Name
filter
string
(query)
filter
pageNumber
integer($int32)
(query)
1
pageSize
integer($int32)
(query)
10
Execute
Clear
Responses
Curl
curl -X 'GET' \
'https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10' \
-H 'accept: */*' \
-H 'X-Api-Key: my-secret-api-key'
Request URL
https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10
Server response
Code
Details
200
Response body
"categoryId": 2,
"category": {
"$id": "3",
"id": 2,
"name": "Electronics",
"products": {
"$id": "4",
"$values": [
{
"$ref": "2"
},
{
"$id": "5",
"id": 1,
"name": "Gaming Laptop",
"description": "A powerful gaming laptop with high-end specifications.",
"price": 1200,
"categoryId": 2,
"category": {
"$ref": "3"
}
}
]
}
}
},
{
"$id": "6",
Download


Responses
Curl
curl -X 'GET' \
'https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10' \
-H 'accept: */*' \
-H 'X-Api-Key: my-secret-api-key'
Request URL
https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10
Server response
Code
Details
200
Response body
{
"$id": "6",
"id": 3,
"name": "Cars",
"description": "A powerful car with high-end specifications.",
"price": 1200000,
"categoryId": 3,
"category": {
"$id": "7",
"id": 3,
"name": "Car",
"products": {
"$id": "8",
"$values": [
{
"$ref": "6"
}
]
}
}
},
{
"$id": "9",
"id": 4,
"name": "Cars",
"description": "A powerful car with high-end specifications.",
"price": 1200000,
Download
Response headers
content-type: application/json; charset=utf-8
date: Wed,25 Sep 2024 05:14:17 GMT
server: Kestrel
Responses

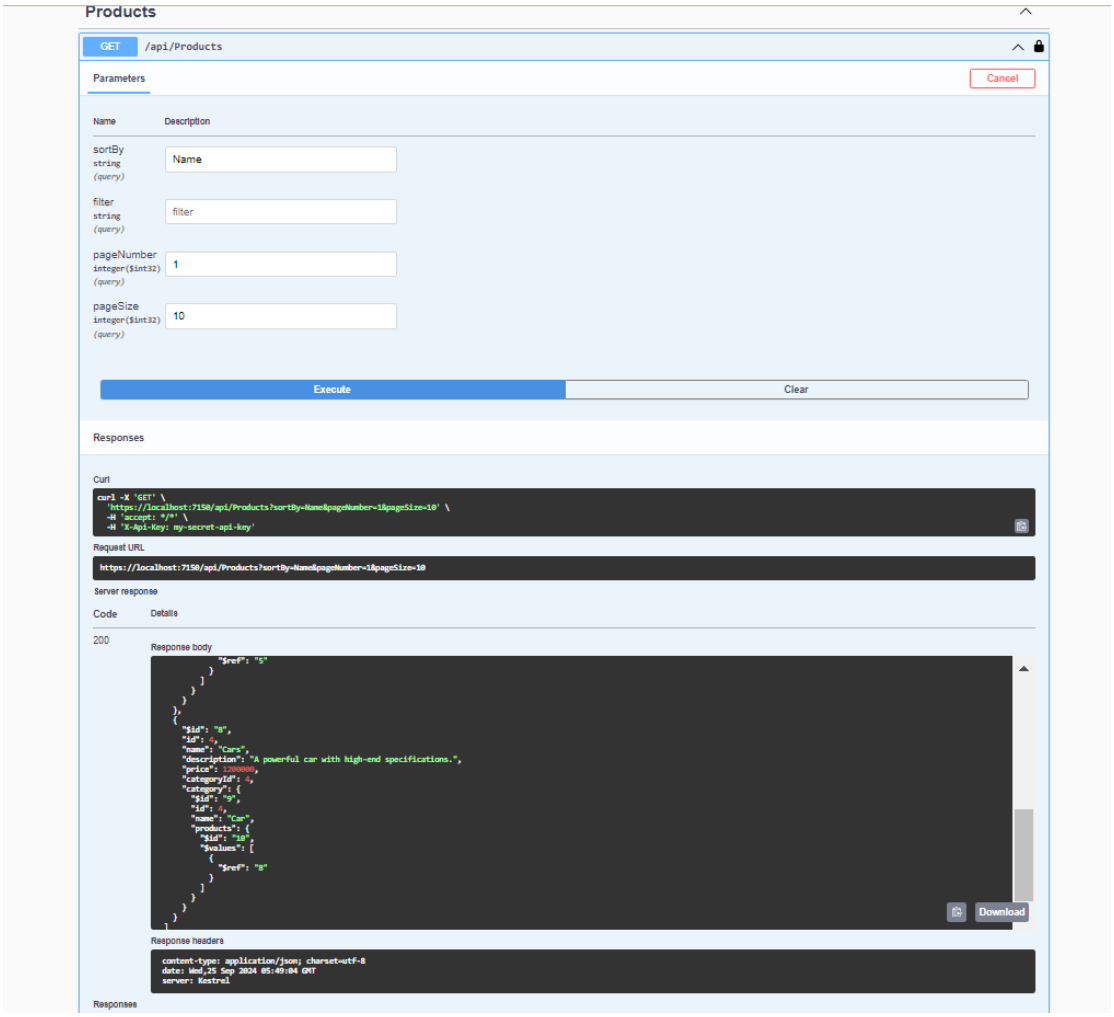
4. Put Method Test-Passed

Navigation:- Navigation:- vs 2022 -> build -> swagger -> authrization -> Put/api/Products -> put id -> Exacute



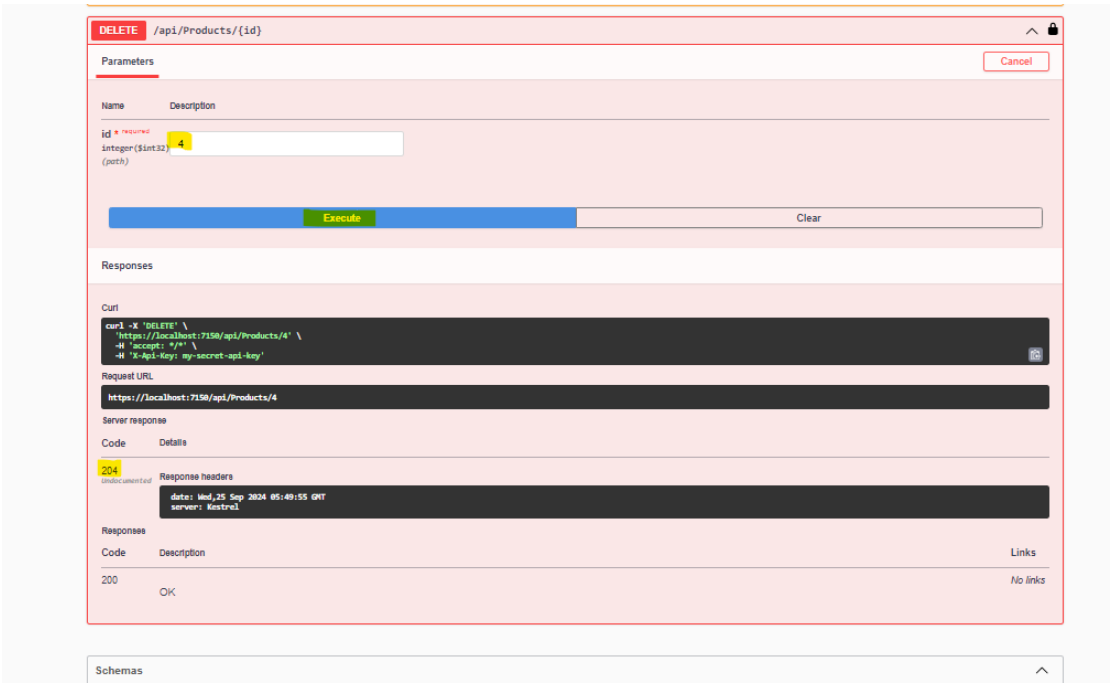
5. Delete Product Api Test- Passed

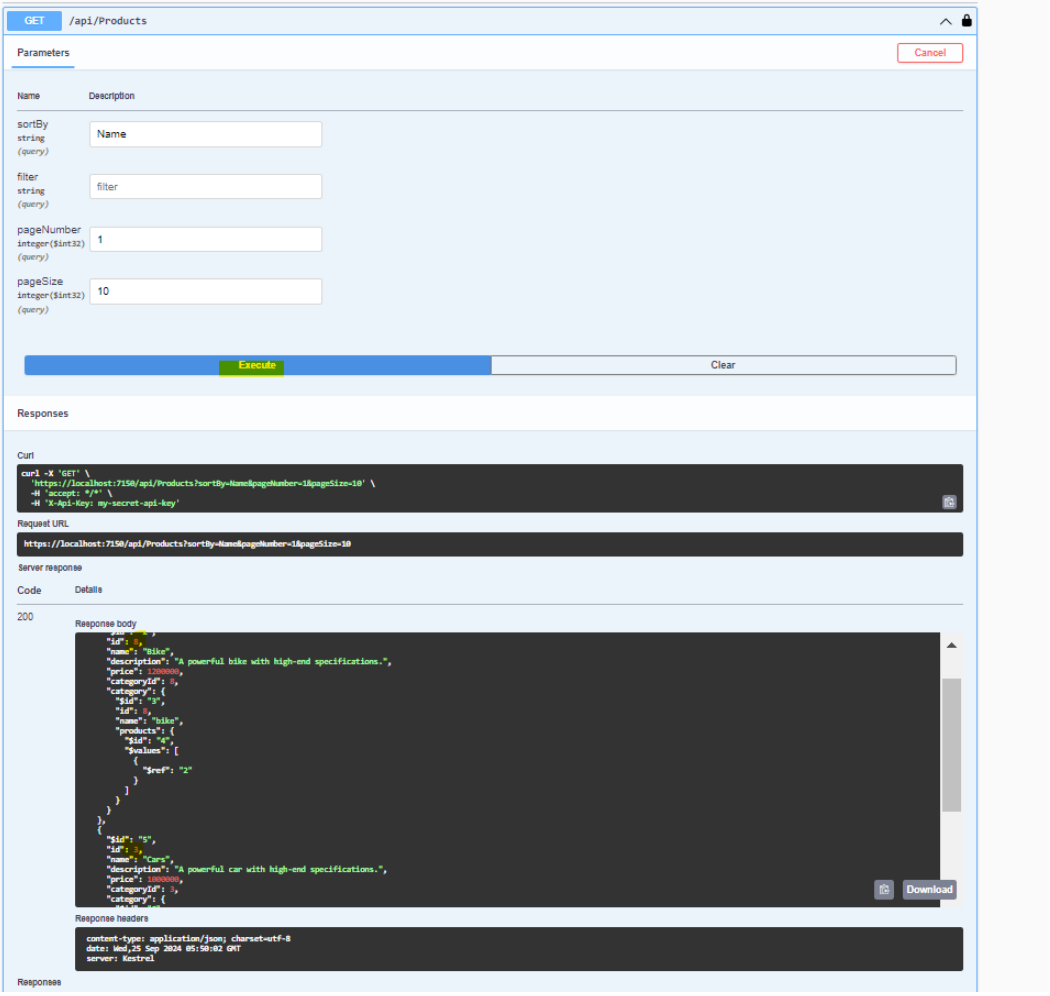
5.5.1 before delete-



5.5.2 after delete-

Navigation:- Navigation:- vs 2022 -> build -> swagger -> authrization -> Delete/api/Products -> put id -> Exacute


DELETE
/api/Products/{id}
Parameters
Cancel
Name
Description
id * required
integer($int32)
(path)
4
Execute
Clear
Responses
Curl
curl -X 'DELETE' \
'https://localhost:7150/api/Products/4' \
-H 'accept: */*' \
-H 'X-Api-Key: my-secret-api-key'
Request URL
https://localhost:7150/api/Products/4
Server response
Code
Details
204
Undocumented
Response headers
date: Wed,25 Sep 2024 05:49:55 GMT
server: Kestrel
Responses
Code
Description
Links
200
OK
No links
Schemas


GET
/api/Products
Parameters
Cancel
Name
Description
sortBy
string
(query)
Name
filter
string
(query)
filter
pageNumber
integer($int32)
(query)
1
pageSize
integer($int32)
(query)
10
Execute
Clear
Responses
Curl
curl -X 'GET' \
'https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10' \
-H 'accept: */*' \
-H 'X-Api-Key: my-secret-api-key'
Request URL
https://localhost:7150/api/Products?sortBy=Name&pageNumber=1&pageSize=10
Server response
Code
Details
200
Response body
"id": 1,
"name": "Bike",
"description": "A powerful bike with high-end specifications.",
"price": 1200000,
"categoryId": 9,
"category": {
"$id": "3",
"id": 9,
"name": "bike",
"products": {
"$id": "4",
"$values": [
{
"$ref": "2"
}
]
}
}
},
{
"$id": "5",
"id": 3,
"name": "Cars",
"description": "A powerful car with high-end specifications.",
"price": 1000000,
"categoryId": 3,
"category": {
Download
Response headers
content-type: application/json; charset=utf-8
date: Wed,25 Sep 2024 05:50:02 GMT
server: Kestrel
Responses