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Functionality with the screenshots for Web APIs:

Below is Product schema with validations

Below are the web API services for Add/Delete/Update/List Products

1) Add Product:

The AddProduct API is for adding a new product. It will also not allow product name lesser than 3 characters.
Click on the Add Product API, then click on "Try It Out". The request body will be editable now. Add the product details as per the schema. Then click on execute, now you can see the response came from the server.

POST	/api/Products/AddProduct

Parameters   Cancel

No parameters

Request body   application/json ⌄

```
{
  "product_Id": 0,
  "productName": "Webcam ",
  "description": "Webcam with Built-in Mic",
  "comapnyName": "Logitech",
  "amount": 1000,
  "status": true
}
```

Execute

Server response

Code	Details
200	**Response body**

```
{
  "data": {
    "product_Id": 5,
    "productName": "Webcam ",
    "description": "Webcam with Built-in Mic",
    "comapnyName": "Logitech",
    "amount": 1000,
    "status": true
  },
  "success": true,
  "message": "The product has been added successfully."
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Sat02 Jul 2022 06:01:38 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200	Success	No links

2) Update Product

The UpdateProduct API is for updating any product
Click on the Update Product API, then click on "Try It Out". In the body section add the product details which you want to modify. Then click on execute button

PUT	/api/Products/UpdateProduct/{id}

Parameters

<div align="right">Cancel</div>

Name	Description
id * required string *(path)*	4

Request body

application/json

```
{
  "product_Id": 4,
  "productName": "Monitor",
  "description": "21.5 Inch Free Monitor, Made in India",
  "comapnyName": "Dell",
  "amount": 1500,
  "status": true
}
```

Execute	Clear

Server response

Code	Details
200	**Response body**

```
{
    "data": {
        "product_Id": 4,
        "productName": "Monitor",
        "description": "21.5 Inch Free Monitor, Made in India",
        "comapnyName": "Dell",
        "amount": 1500,
        "status": true
    },
    "success": true,
    "message": "The product has been updated successfully."
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Sat02 Jul 2022 05:58:30 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200	Success	No links

3) Delete Product

The DeleteProduct API is deleting any product.
Click on the Delete Product API, then click on "Try It Out". In the parameter section add product id. Then click on execute button. The product will be deleted.

DELETE /api/Products/DeleteProduct/{id}

Parameters   Cancel

Name	Description
id * required integer($int64) (path)	4

Execute

Server response

Code	Details

200

Response body

```
{
  "data": true,
  "success": true,
  "message": "The product has been deleted successfully."
}
```

Response headers

```
content-length: 83
content-type: application/json; charset=utf-8
date: Sat02 Jul 2022 06:10:12 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200	Success	No links

4) Get Products

The GetProducts API is for fetching all the product by.
Click on the Get Product API, then click on "Try It Out". In the parameters, pass value for skip to skip the number of records you want to skip, and in take, add number of records you want to take. Then click on execute button.

GET `/api/Products/GetProducts/{skip}/{take}`

Parameters   Cancel

Name	Description
skip * required integer($int32) (path)	`0`
take * required integer($int32) (path)	`10`

Execute	Clear

Server response

Code	Details

200

Response body

```json
{
  "data": [
    {
      "product_Id": 2,
      "productName": "Mouse",
      "description": "Wired Mouse",
      "comapnyName": "Dell",
      "amount": 300,
      "status": true
    },
    {
      "product_Id": 3,
      "productName": "Keyboard",
      "description": "Wired Mouse",
      "comapnyName": "Dell",
      "amount": 300,
      "status": true
    },
    {
      "product_Id": 4,
      "productName": "Monitor",
      "description": "21.5 Inch Free Monitor, Made in India",
      "comapnyName": "Dell",
      "amount": 1500,
      "status": true
    },
    {
      "product_Id": 5,
```

Download

Response headers

```
content-type: application/json; charset=utf-8
date: Sat02 Jul 2022 06:06:07 GMT
server: Microsoft-IIS/10.0
x-powered-by: ASP.NET
```

Responses

Code	Description	Links
200	Success	No links