

API Documentation

Overview

This API provides a simple interface to manage and retrieve information about products. It follows RESTful principles and is implemented using Node.js and TypeScript.

Getting Started

Prerequisites

Make sure you have the following installed on your machine:

- [Node.js](#)
- [npm](#) (Node Package Manager)

Installation

1. Clone the repository:

```
git clone https://github.com/BhagatKaveri/Rest-API.git
```

2. Navigate to the project directory:

```
cd your-repository
```

3. Install dependencies:

```
npm install
```

Run the Server Locally

`npm start`

The server will be running at `http://localhost:{port}`, where `{port}` is the port number specified in your server setup (default is usually 3000).

Endpoints

Get Products

Request

- Method: `GET`
- Endpoint: `{base_url}/api/products`

Response

```
[
  {
    "id": 1,
    "name": "Product 1",
    "price": 19.99
  },
  {
    "id": 2,
    "name": "Product 2",
    "price": 29.99
  }
]
```

Get Product by ID

Request

- Method: `GET`
- Endpoint: `{base_url}/api/products/{id}`

Response

```
{
```

```
"id": 1,  
"name": "Product 1",  
"price": 19.99  
}
```

Create a New Product

Request

- Method: POST
- Endpoint: {base_url}/api/products
- Body:

```
{  
  "name": "New Product",  
  "price": 39.99  
}
```

Response

```
{  
  "id": 3,  
  "name": "New Product",  
  "price": 39.99  
}
```

Update Product by ID

Request

- Method: PUT
- Endpoint: {base_url}/api/products/{id}
- Body:

```
{  
  
  "name": "Updated Product",  
  
  "price": 49.99  
}
```

Response

```
{  
  "id": 1,  
  "name": "Updated Product",  
  "price": 49.99  
}
```

Delete Product by ID

Request

- Method: DELETE
- Endpoint: {base_url}/api/products/{id}

Response

Status: 204 No Content

Error Responses

If an error occurs, the API will return an appropriate HTTP status code along with an error message in the response body.

Example:

```
{  
  "error": "Product not found"  
}
```

Conclusion

You have successfully set up and interacted with the API. Feel free to explore and use the provided endpoints to manage products.

