PRODUCT API

User Manual

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Product API

This section of the document describes the Product API's, how to run part and its various operations.
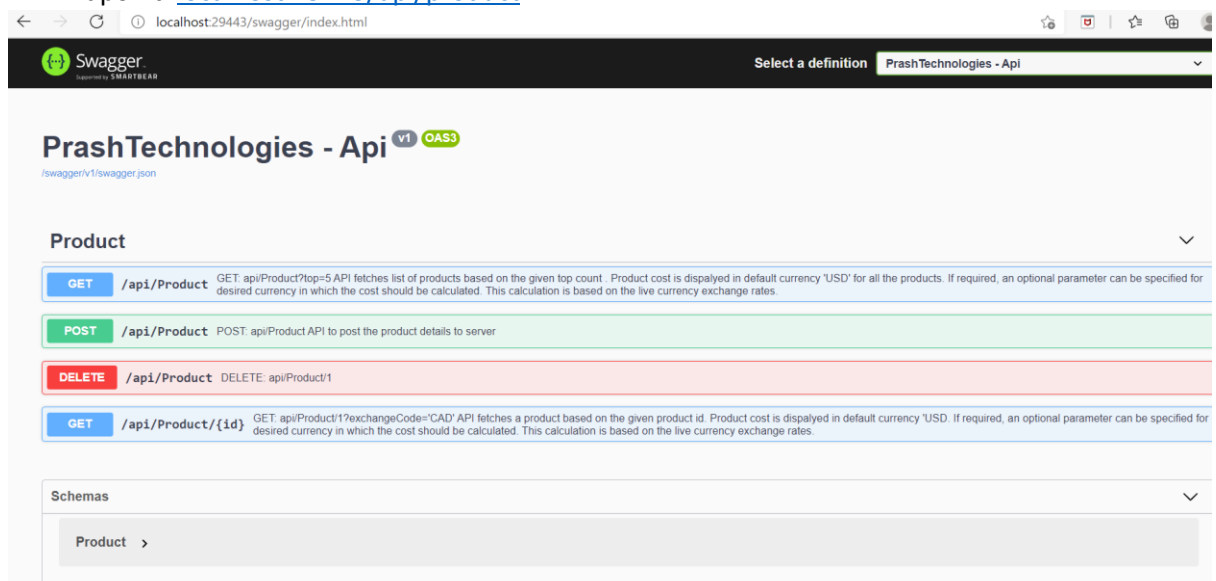
Technology Stack

- Code Editor: Visual Studio 2019 Community
- Template: ASP.NET Core Web API
- API Documentation: Swagger
- Database: SQL Express
- ORM tool: Dapper
- Dependency Injection:
- Framework: .NET Core 3.1
- Programming Language: C#
- Other Libraries:
  - Newtonsoft.JSON
- Unit Test Framework: NUnit
- Third party services: http://api.currencylayer.com/live

Setup & Execution

- Download the code from public repository -
  https://github.com/raoprashanth007/PrashTechnologies.git

- Open the folder PrashTechnologies.Api\DBScripts and run the scripts in your local database
  - dbo.Products.sql
  - dbo.Stats.sql
- Locate the file appsettings.json (PrashTechnologies.Api\appsettings.jon) and modify the ConnectionStrings section to reflect your database instance

```
"ConnectionStrings": {
  "DefaultConnection": "Data Source=localhost\\SQLEXPRESS;Initial Catalog=master;Integrated Security=True;MultipleActiveResultSets=True"
}
```

- Build the solution 'PrashTechnologies.Api' and run it
- The API documentation can be accessed from the URL: Swagger UI
- API Endpoint: localhost:29443/api/product

API Operations

The details of various operations have been described in the Swagger documentation. However, the below section highlights the same.

GET: /api/Product

Request:

Response:

POST: /api/Product

Request:

Response:

DELETE: /api/Product

Request:

Response:

GET: /api/Product/{productId}

Request:

Response: