

Online shop account management(Web Application)

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CERTIFICATE

This is to certify that the practical/term work carried out in the subject of
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bonafide work of

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Abstract

Shopkeepers need to maintain data of inventories available in the shop. He need to manually update, delete and edit the records day to day.

So We are here with the application which can record the data of products . shopkeeper just need to login to our web application and after that he can add the products and all added products are displayed to him. He can also update the data of product and also can delete the product.

Now They don't need to keep records on paper instead all the things become online. Anywhere he can see the products and deal with the products.

Introduction

The Online Inventory Management is a web service application that allows users to manage the product.

Shopkeeper can add the product and update the product as and when needed and also delete products.

Shopkeeper can see all the products with edit functionality on home page.

Thus, the purpose of this application is to keep track of the products available in the shop.

Technology Used:

- .NET Core
- WEB API

Platform Used:

- Visual studio 2019

Software Requirement Specification

R1: Manage Product

R1.1: Add Product

Input: Enter details of product.

Output: Shows Home Page on success else shows error message.

R1.2: Delete Product

Input: select product id.

Output: appropriate message will be displayed

R1.3: Update Product

Input: Updated Details of the product

Output: appropriate message will be displayed.

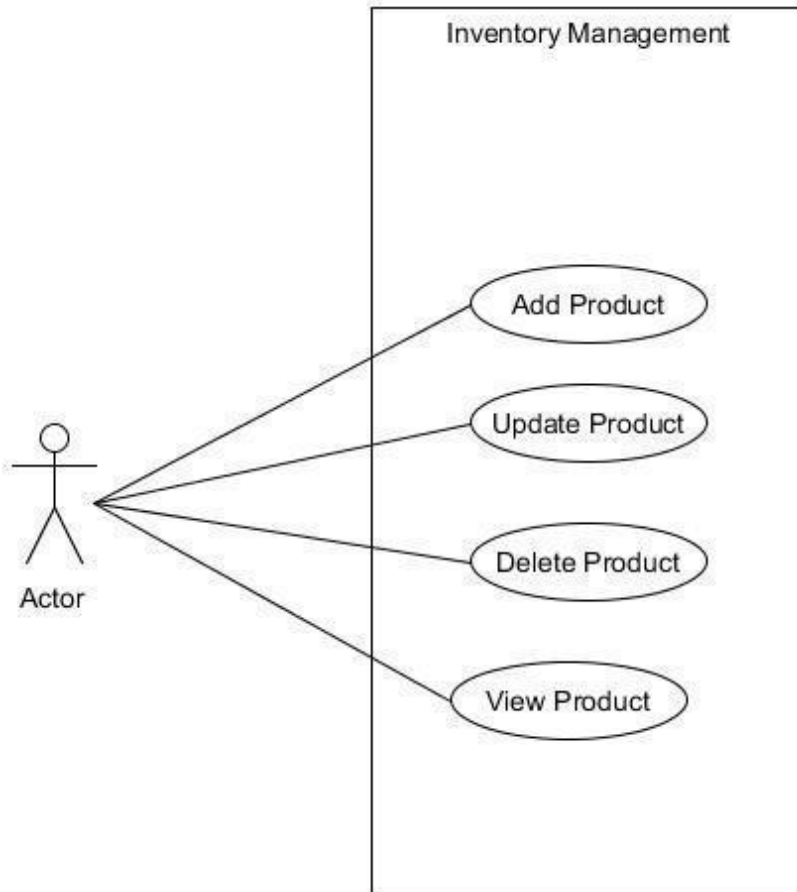
R2: Show All Products

Input: Select appropriate link.

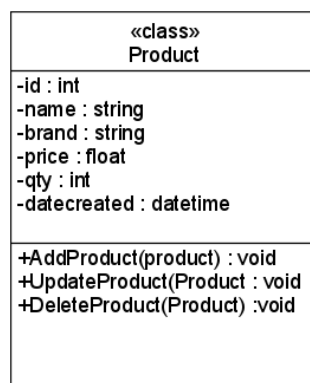
Output: List of all products will be displayed.

Design

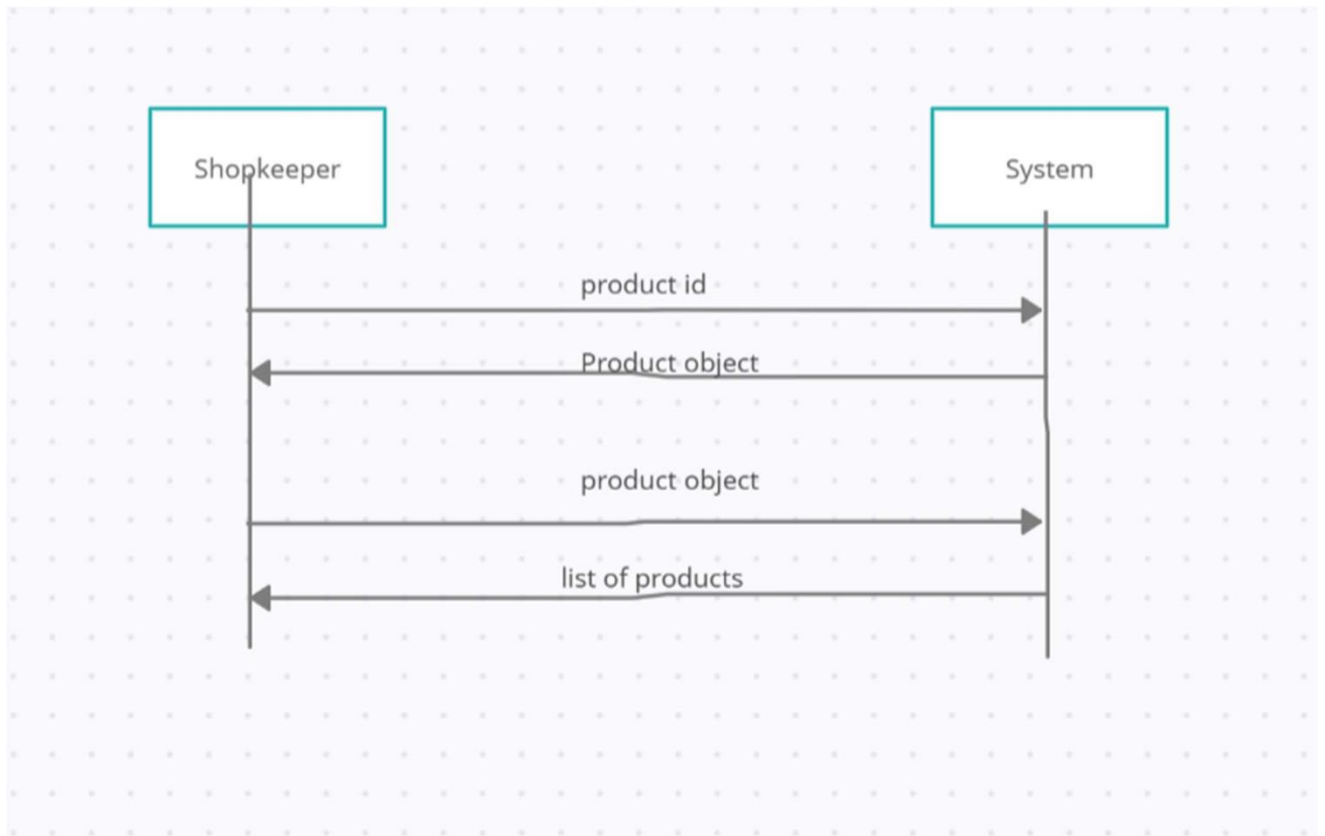
1. Use Case Diagram:



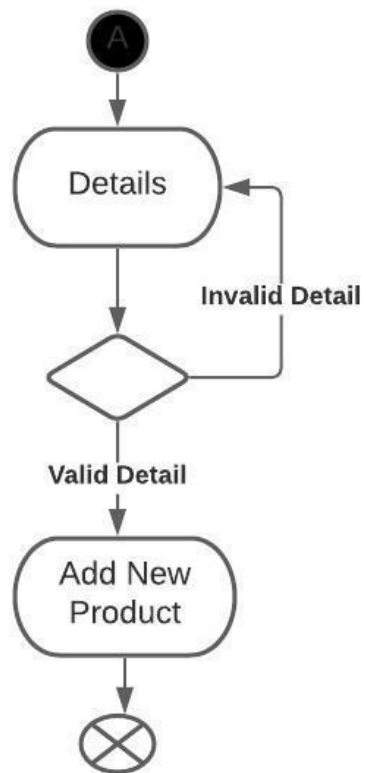
2. Class Diagram:



3. Sequence Diagram:



4. Activity Diagrams:



Implementation Details

Modules created and brief description of each modules:

There are two major modules:

1. Model:

- Represents all database models.
- Used to bind client data to a complex object.

2. Product Controller:

- Handles the request from the client.
- Inside controller PUT,POST,GET and DELETE methods are there which maps to appropriate client request.

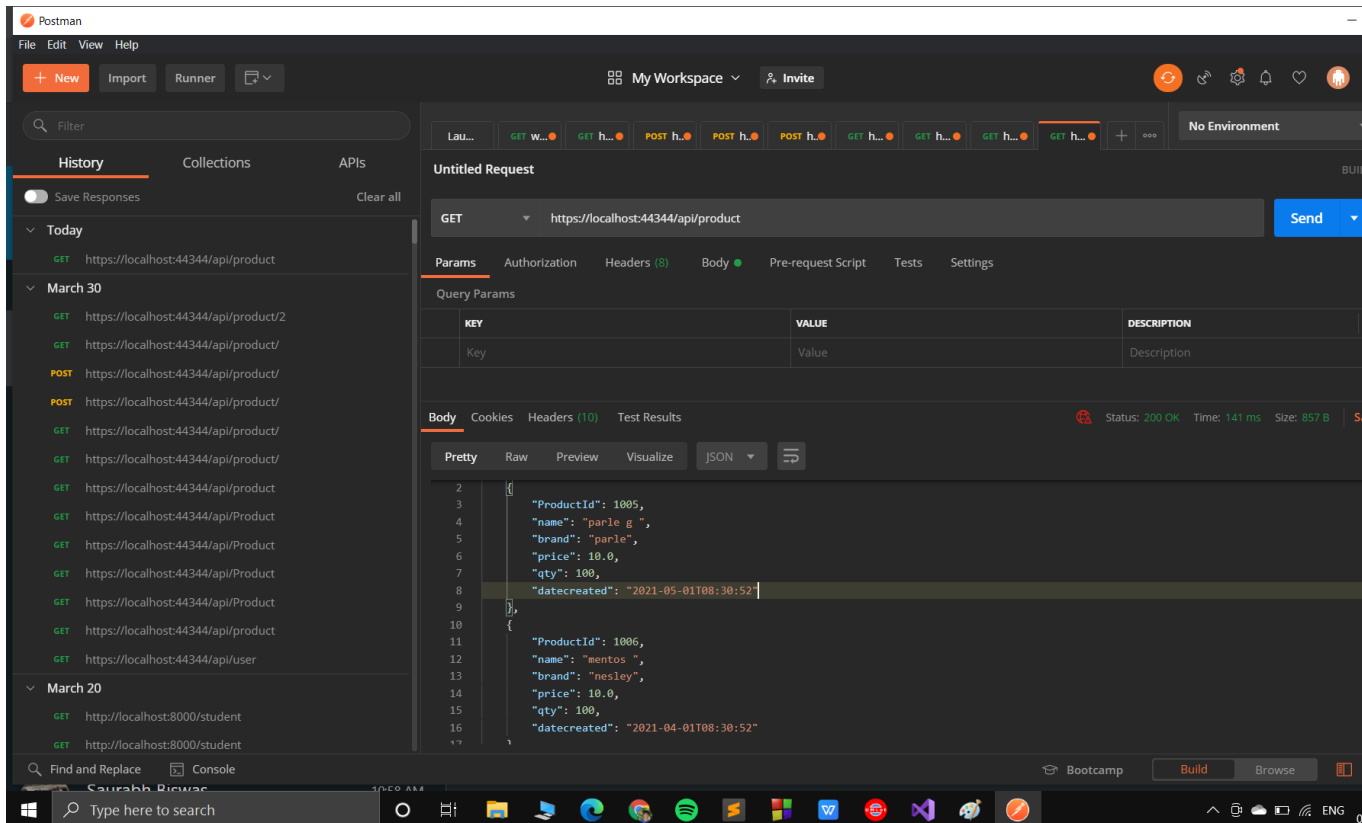
Testing

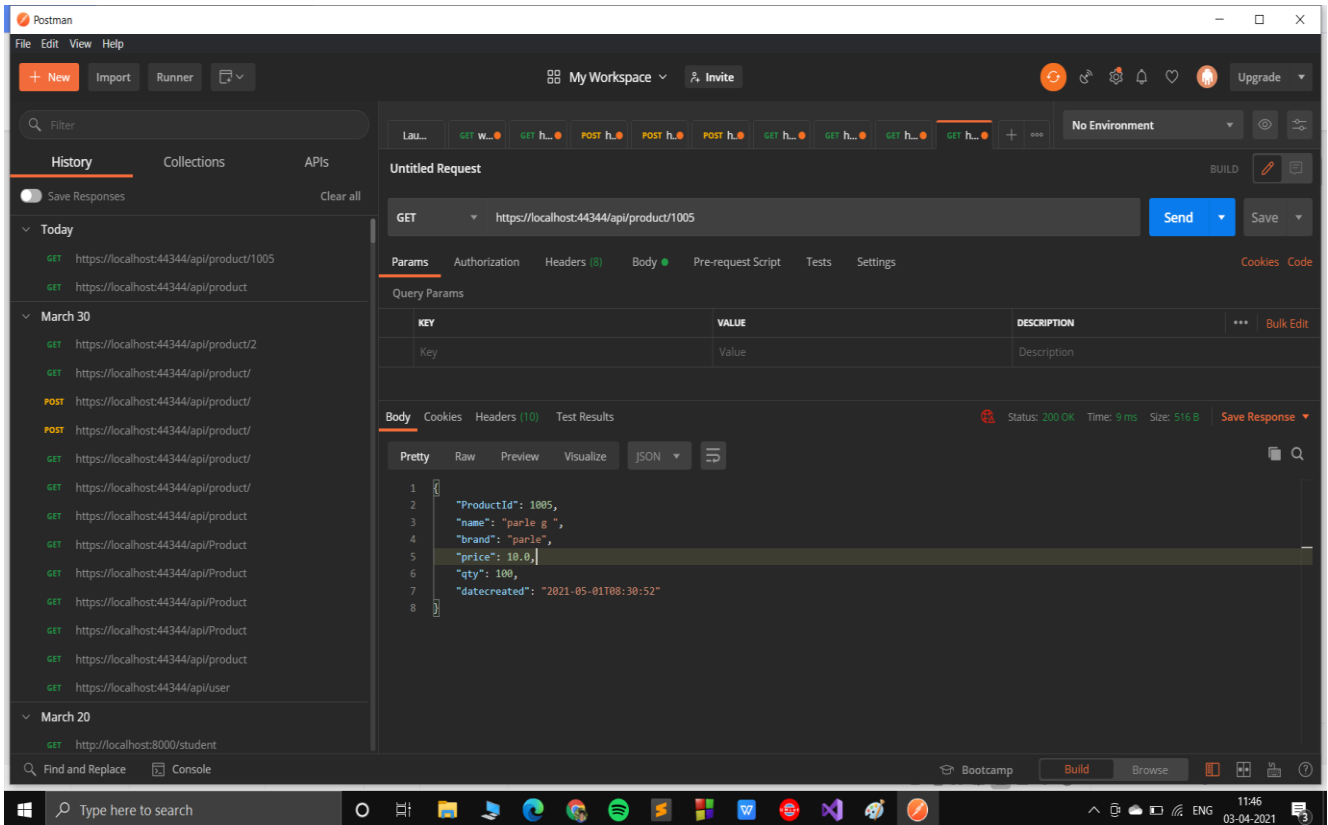
We used Postman to do testing of our Project. Following are details of Input to Postman:

Postman is a GUI tool that enables users to input test parameters, submit that input to the controller, and view the response. Postman is a popular API client that makes it easy for developers to create, share, test and document APIs. This is done by allowing users to create and save simple and complex HTTP/s requests, as well as read their responses. The result - more efficient and less tedious work.

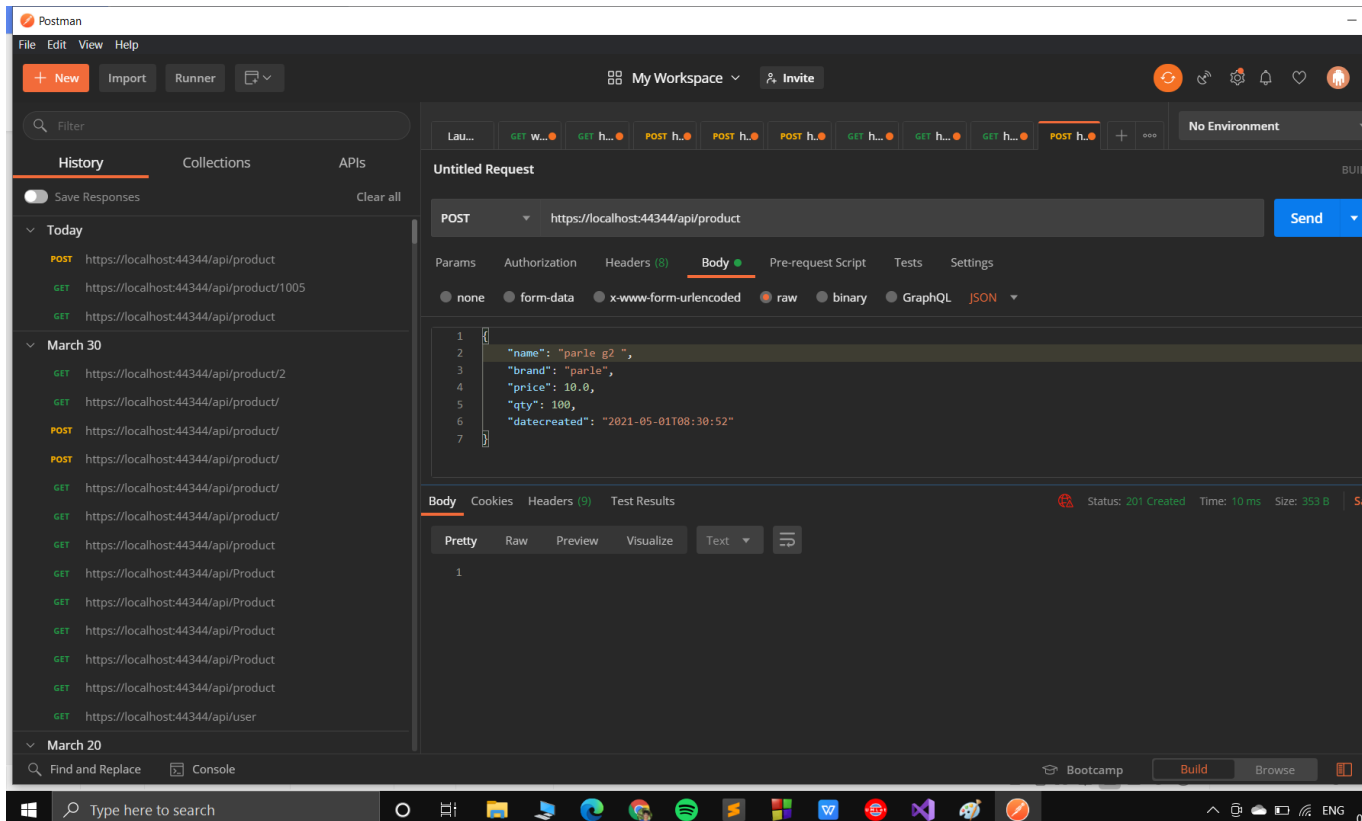
Postman Screen-Shots:

1. GET

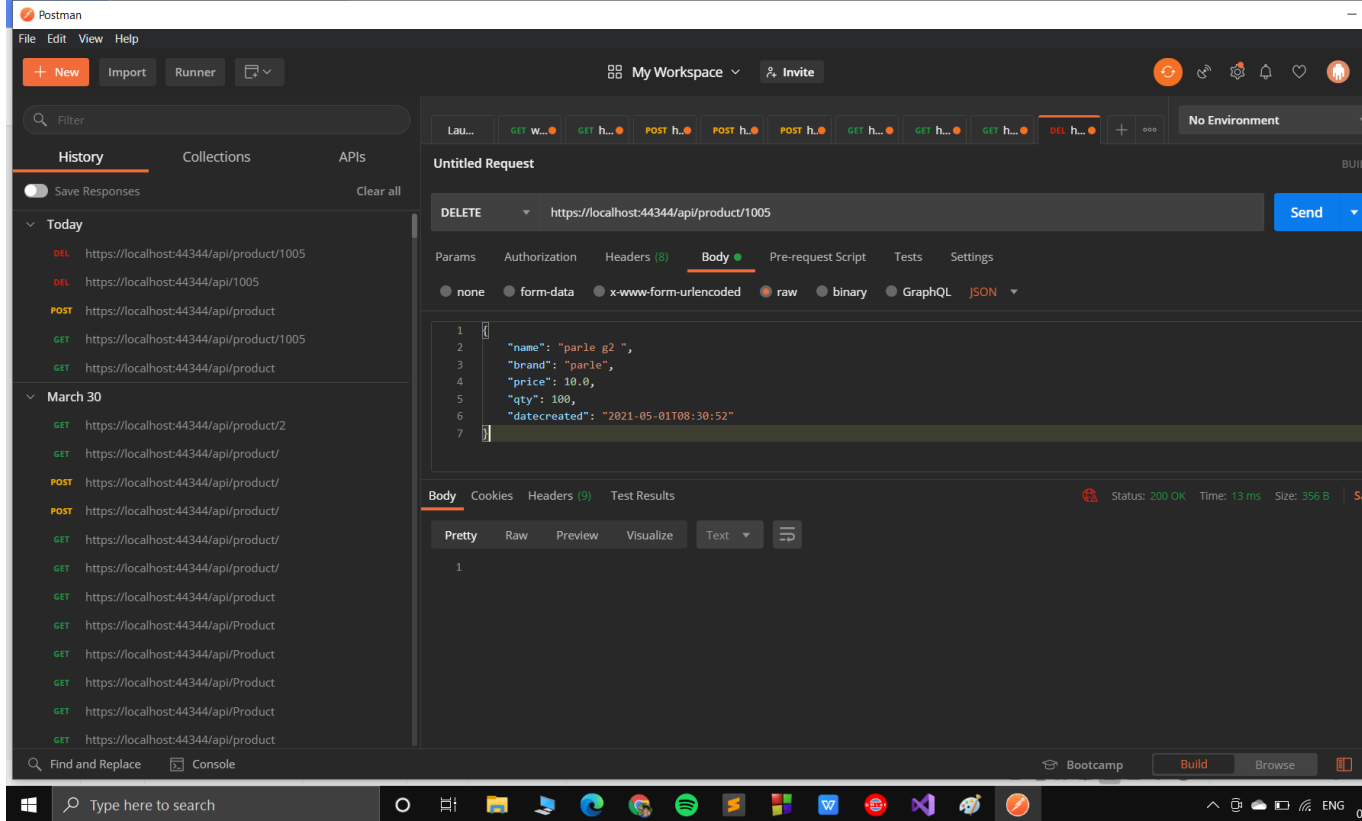




2. POST



3. DELETE



Screen-Shots

1. Home Screen

Application name

Index

[Create New](#)

total amount of product in the store is : **\$7000**

ProductId	name	brand	price	qty	datecreated	Total	
1005	parle g	parle	10	100	01-05-2021 08:30:52	1000	Edit Details Delete
1006	mentos	nesley	10	100	01-04-2021 08:30:52	1000	Edit Details Delete
1007	balaji waffers	balaji	10	100	01-04-2021 08:30:52	1000	Edit Details Delete
1008	lays waffer	lays	30	100	01-04-2021 08:30:52	3000	Edit Details Delete
1009	mengo bar	parle	1	1000	01-04-2021 08:30:52	1000	Edit Details Delete

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2. Add Product Screen

How to Master Dynamic Program x (5) WhatsApp x Home Page x Create - My ASP.NET Application x +

← → ↻ https://localhost:44335/Product/Create ☆ ⚙

Apps YouTube Inbox (2,607) - faiza... Online programs fo... Slack | 1stmay-codi... (A) Learn to Code — F... Live Technical Analy... WhatsApp Meet – zwx-coxd-jnp Student Panel - Login »

Application name

Create

ProductId

name

brand

price

qty

datecreated

Save

[Back to List](#)

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Windows taskbar: Type here to search, File Explorer, Edge, Chrome, Spotify, VS Code, etc.

3. Edit Screen

Application name

Edit

ProductId
1009

name
mengo bar 2

brand
parle

price
2

qty
1000

datecreated
01-04-2021 08:30:52

Save

[Back to List](#)

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4. After Adding and modifying

Application name

Index

[Create New](#)

total amount of product in the store is : \$8000

ProductId	name	brand	price	qty	datecreated	Total	
1005	parle g	parle	10	100	01-05-2021 08:30:52	1000	Edit Details Delete
1006	mentos	nesley	10	100	01-04-2021 08:30:52	1000	Edit Details Delete
1007	balaji waffers	balaji	10	100	01-04-2021 08:30:52	1000	Edit Details Delete
1008	lays waffer	lays	30	100	01-04-2021 08:30:52	3000	Edit Details Delete
1009	mengo bar 2	parle	2	1000	01-04-2021 08:30:52	2000	Edit Details Delete

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5. After deletion

Application name

Index

[Create New](#)

total amount of product in the store is : **\$5000**

ProductId	name	brand	price	qty	datecreated	Total	
1005	parle g	parle	10	100	01-05-2021 08:30:52	1000	Edit Details Delete:
1006	mentos	nesley	10	100	01-04-2021 08:30:52	1000	Edit Details Delete:
1007	balaji waffers	balaji	10	100	01-04-2021 08:30:52	1000	Edit Details Delete:
1009	mengo bar 2	parle	2	1000	01-04-2021 08:30:52	2000	Edit Details Delete:

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Conclusion

Online small shop account management web application is Successfully implemented.

After implementation we used Postman for effective testing of our service. This application reduces the time needed to keep track of products available in the shop. Previously it was tedious process to update and delete the data of products. It become easy after building this project.

Limitation and Future Extension

Future Extensions:

Shopkeeper can make transection of sell and purchase item .

Shopkeeper can generate bill after customer's order.

Shopkeeper can get notification when stock is less.

Bibliography

- <https://docs.microsoft.com/en-us/aspnet/web-api/>
- <https://stackoverflow.com/>