**How to run BETShop**

**Perquisites**

.Net Core SDKs and Visual Studio IDE

MongoDB client

SQL Server client

**Database Setup**

You would need to add migrations for both BETShopContext and BETShopAccountsContext

You can use the .sql script provided to load the products

Ensure that both MongoDB and SQL Server clients are running. The MongoDB does not require you to create anything

**Running the application**

The application runs on <https://localhost:5001>. All endpoints are authorized and you should be redirected to the sign in page. As a first time user, please sign up before proceeding.

The email service is currently disabled as I have not gotten the API key but if there is a demo we can get a key.

**Notes**

Things I didn’t do was mainly due to time

I would have liked to separate each API and have a final frontend application but time would not allow. The APIs would also have been authorized using a custom built Identity Server application which would also allow for client side signing in as well as keeping the API clients and resources.

I used clean architecture for the main application controllers whereas I just added the services to the AccountController. I didn’t however separate each model in each layer from the presentation to the repository and mapped them using AutoMapper.

Pictures are kept as links to the jpeg from the internet in the database but should rather be kept in a bucket like Amazon S3 and fetched from there and served to the application.

**SQL Scripts**

**CREATE**

USE [BETShop]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Products] Script Date: 1/25/2022 11:19:50 AM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Products] (

[Id] INT NOT NULL,

[Name] VARCHAR (100) NOT NULL,

[Image] VARCHAR (1000) NULL,

[Price] DECIMAL (18, 4) NOT NULL,

[Quantity] INT NULL

);

**INSERT**

INSERT INTO [dbo].[Products] ([Id], [Name], [Image], [Price], [Quantity]) VALUES (1, N'Test1', N'Test1', CAST(2.5000 AS Decimal(18, 4)), 5)

INSERT INTO [dbo].[Products] ([Id], [Name], [Image], [Price], [Quantity]) VALUES (2, N'Test2', N'Test2', CAST(9.2500 AS Decimal(18, 4)), 1)

INSERT INTO [dbo].[Products] ([Id], [Name], [Image], [Price], [Quantity]) VALUES (3, N'Test3', N'Test3', CAST(12.5000 AS Decimal(18, 4)), 9)

INSERT INTO [dbo].[Products] ([Id], [Name], [Image], [Price], [Quantity]) VALUES (4, N'Test4', N'Test4', CAST(10.2500 AS Decimal(18, 4)), 0)

INSERT INTO [dbo].[Products] ([Id], [Name], [Image], [Price], [Quantity]) VALUES (5, N'Test5', N'Test5', CAST(8.2500 AS Decimal(18, 4)), 1)