**Commands to Start the Application**

**Backend**

* **To start Kafka (IN KAFKA TERMINAL):**

1) Change Directory if necessary:

for eg.:- cd C:\Users\user\_name\Downloads\kafka

2) **Zookeeper** (in separate terminal):

cd C:\Users\user\_name\Downloads\kafka

bin\windows\zookeeper-server-start.bat config\zookeeper.properties

3)**Kafka Broker** (in separate terminal):

cd C:\Users\user\_name\Downloads\kafka

.\bin\windows\kafka-server-start.bat .\config\server.properties

**Note: If does not work then try this command before these above command**

**$env:KAFKA\_HEAP\_OPTS="-Xmx1G -Xms1G"**

4) **Producer** (in separate terminal):

i) To create topic (for eg.:- low-stock-alerts):

cd C:\Users\user\_name\Downloads\kafka

.\bin\windows\kafka-topics.bat --create --topic low-stock-alerts --bootstrap-server localhost:9092 --partitions 1 --replication-factor 1

Output: Created topic low-stock-alerts.

ii) To get topic list:

.\bin\windows\kafka-topics.bat --list --bootstrap-server localhost:9092

iii) Starting the Producer:

.\bin\windows\kafka-console-producer.bat --topic low-stock-alerts --bootstrap-server localhost:9092

5) **Consumer** (in separate terminal):

cd C:\Users\user\_name\Downloads\kafka

.\bin\windows\kafka-console-consumer.bat --topic low-stock-alerts --from-beginning --bootstrap-server localhost:9092

* **In VSCode terminal(backend):**

If changes in the database tables code -

dotnet ef migrations add AddMigrationName

dotnet ef database update

dotnet run

**Frontend**

To change path:

cd .\product-management-frontend\

If ssl error try these command:

$env:NODE\_OPTIONS="--openssl-legacy-provider"

To start Frontend:

npm start

**Note: To kill or terminate the running process of particular port**

**npx kill-port 3000**

swagger url:

http://localhost:5016/swagger/index.html