Assignment: Integrating Cosmos DB and Service Bus to your microservices

In this assignment you will add both Azure Cosmos DB and Service Bus support to your Catalog, Inventory and Trading microservices.

Update the Catalog and Inventory microservices

Do the following steps for the **Catalog** and **Inventory** microservices:

1. Bump the Play.Common version to 1.0.8 in the service project

2. Update Startup → ConfigureServices by replacing the call to AddMassTransitWithRabbitMq with a call to AddMassTransitWithMessageBroker

Update the Trading microservice

Do the following steps for the **Trading** microservice:

3. Bump the Play.Common version to 1.0.8 in the service project

4. Remove all the MassTransit .* package references except for **MassTransit.MongoDB**

5. Bump the MassTransit.MongoDB package reference to the same version used in Play.Common (7.3.1)

6. Update Startup → AddMassTransit by replacing the call to UsingPlayEconomyRabbitMq with a call to UsingPlayEconomyMessageBroker

Build the updated Docker image

For each microservice:

7. Update the Docker image version declared in the README file. Here for the version you should be using for each microservice:

Microservice	Version
Catalog	1.0.3
Inventory	1.0.3
Trading	1.0.1

8. Build the updated docker image

Run the Docker image

For each microservice:

9. Update the **docker run** command in the README replacing the MongoDbSettings__Host and RabbitMQSettings__Host environment variables with the new MongoDbSettings__ConnectionString, ServiceBusSettings__ConnectionString and ServiceSettings__MessageBroker environment variables.

10. Run the docker container and verify the application starts
    - Getting an “Application started” message in the VS Code console output is good enough for now.
    - If you try to invoke the microservice REST API from Postman you will notice that it won’t work because, even if you provide the correct access token, your microservice is not ready to reach the Identity microservice to verify the access token. You will address this in a future module.

11. Commit and push your changes.