Workshop Instructions

Tuesday, December 12, 2017   7:44 AM

Getting Started
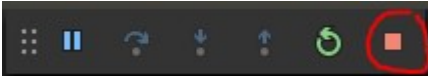
1) Access your running workshop VM
2) Double-click Start_Web_API on the desktop.
    a. Web API should start up
3) Double-click Start_Web_Client
4) Application should start and you should see a shopping cart.
    a. Add some items to the cart
    b. Go to the Shopping Cart tab
        i. Change some quantities
        ii. Remove some items
    c. Look at the Removed Products tab

Recreating the Services

1) Close the API terminal process (it will have lots of stuff in the terminal that says "**info: Microsoft.AspNetCore…**"
    a. You can leave the browser and the client service running
2) Double click the link that says Edit_Web_Api
3) This should open the server project in Visual Studio Code (VSCode)
4) Click the **Debug** nav button on the left side

5) With VSCode in focus hit F5 or just click the green Run button.
6) Verify that the app runs (but doesn't fully work)
7) Stop debugging (click the red Stop button or Shift+F5)

Adding in the Create Cart Command

1) In VSCode, click the Explorer nav button

2) Navigate to DevCon.Api/Command
3) Open the CartController.cs file
4) Delete the existing CreateCartAsync method block
5) Uncomment the rest of the commented code (Ctrl+/)
6) Navigate to Devcon.Command.Services/CreateCart
7) Uncomment the CartCommand.cs and CreateCartHandler.cs contents.
8) Navigate to Domain/CartAggregate.cs
9) Uncomment the contents
10) Navigate to DevCon.Events
11) Open CartCreated.cs and uncomment it
12) Before proceeding, F5 to run the project and make sure everything builds. Then stop the Service

Adding in the Cart Item Commands

1) Navigate to DevCon.Api/Command
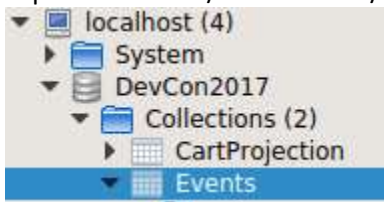2) Open the CartItemController.cs
3) Uncomment the file

4) Navigate to DevCon.Command.Services/Commands
5) Open AddCartItemHandler and uncomment
6) Open AddCartItemCommand and uncomment
7) Repeat for RemoveCartItem
8) Repeat for UpdateCartItemQuantity
9) Navigate Domain/CartItemAggregate and uncomment
10) F5 to start up the service
11) Go to the Store App and add some items to the cart

Take a Look at the Events

1) Open RoboMongo by clicking it's icon in the taskbar

2) Click Connect
3) Expand localhost/DevCon2017/Collections

4) Right-click Events and select View Documents
5) Expand an event from the list and expand eventData
6) Stop debugging (Shift+F5)

Adding our Read/Query Models - Cart

1) Navigate to DevCon.Api/Query/Controllers
2) Open and uncomment CartQueryController.cs
3) Navigate to DevCon.Query.Services/Carts
4) Open CartProjection.cs and uncomment
5) Open CartRepository.cs and uncomment
6) Open CartDenormalizer.cs and uncomment
7) Open Configuration/Registration.cs
8) Only uncomment the lines that mention: CART READ MODELS
9) Run the project by hitting F5
10) In the application, make sure to do the following for later steps:
    a. Add some items
    b. Update item quantities
    c. Remove some items from the Cart
11) Return to RoboMongo

12) Under DevCon2017/Collections there will now be a CartProjection collection
13) Right-click and View Documents
14) Stop debugging (Shift+F5)

Adding a Read Model Later - Removed Products

1) Navigate to DevCon/Api
2) Open RemovedProductsQueryController.cs and uncomment it
3) Open RebuildProjectionsController.cs and uncomment it

4) Navigate to DevCon.Query.Services/RemovedProducts
5) Open RemovedProductsProjection and uncomment it
6) Open RemovedProductsRepository and uncomment it
7) Open RemovedProductsDenormalizer and uncomment it
8) Open Configuration/Registration.cs and uncomment the remaining lines
9) Run the project by hitting F5

Populate the Removed Products Report

1) Open Postman

2) Expand DevCon2017 and click Rebuild Removed Products
3) Click Send
4) Return to the Store and refresh Removed Products