

# ASP.NET CORE 6 Microservices, Part 5 of 9: Cart UI and Coupon Project

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**Meet the expert:** I have a master's of science degree in computer science, and a bachelor of Computer Engineering. I also have many years of experience with .NET, C#, and .NET MVC. I enjoy teaching along with my full-time job.

**Prerequisites:** Basic understanding of .NET Core CRUD Operations  
Entity Framework Core  
Basic API Creation and Consumption

**Runtime:** 01:29:33

**Course description:** Microservices make it easier to develop, test, and deploy isolated parts of your application. Once deployed, each microservice can be independently scaled as needed. In this course Microservices will be used to build a real world application with a focus on creating a Cart Controller, Coupon API Service and Configuring Checkout.

## Course outline:

### Add Cart Controller

- Introduction
- Shopping Cart User Interface
- Add Cart Controller
- Method to Load Shopping Cart
- Debugging API Call to Shopping Cart
- Shopping Cart UI
- Remove items from Cart
- Summary

- Summary

### Checkout Message

- Introduction
- Checkout
- Checkout Message
- Checkout Method in Cart Service
- Checkout Post Action
- Demo: Checkout Header Dto
- Async Await is not Async Communication in the pro
- Synchronous vs Asynchronous communication
- Summary

### Coupon API Service

- Introduction
- Coupon API Service
- Create Coupon Project and Add NuGet Packages
- Setup Coupon API Project
- Coupon Models and DTO's
- Coupon Repository
- Coupon Controller
- Summary

### Configure Shopping Cart API with new methods

- Introduction
- Consume Coupon API
- Configure Shopping Cart API with new methods
- Logic for Apply or Remove Coupon in View
- Cart Controller and Service for Applying or Remov
- Demo: Apply or Remove Coupon
- Configure Cart Service In Main Project
- Demo: Calling Coupon Microservice
- CheckOut UI
- DateTimePicker