(Demo prep)

Adding the DTOs

It's time to define the REST API for our Catalog microservice.

1. Delete WeatherForecastController and WeatherForecast

2. We will start by declaring our DTOs. We will use record types for our DTOs as opposed to classes basically because:
   - They are simpler to declare
   - They provide value-based equality, which means that when comparing two of our items they will be considered equal if all their properties have the same values, which is not the case with classes
   - They are immutable by default, meaning that modifications after creation are not allowed
   - They have a built-in ToString() override that shows the names and values of all the record properties

3. Create Dtos.cs (declare ItemDto then explain why record types):

   ```
   namespace Play.Catalog.Service.Dtos
   {
       public record ItemDto(Guid Id, string Name, string Description, decimal Price, DateTimeOffset CreatedDate);

       public record CreateItemDto(string Name, string Description, decimal Price);

       public record UpdateItemDto(string Name, string Description, decimal Price);
   }
   ```

4. In the next lesson, we will add a controller to define our REST API operations.