* 3-**4** Weeks - **Extended OOP**
  + Review **grammar** for **flow-control** statements
  + **Classes** (**properties** + **fields** + **constructors** + **methods**)
  + Emphasize **instance** (non-static) class members and **instantiating** objects
  + Introduce **inheritance** and **composition** ("favor inheritance over composition)
    - Instructor chaining
    - Override .ToString() - **polymophism**
    - abstract classes and abstract methods
  + Other types: enum + interface + delegate + event/handlers
  + Lambda syntax and anonymous delegates
  + Generics and Arrays vs Collections
  + NuGet Package (e.g.: Humanizer)
  + **SOLID** principles
  + File I/O (NOT streams - just File and Directory) and JSON serialization
  + Entity Framework Core (short intro) - Console application
  + Code-First w. Navigation Properties
  + Project on this material
  + Assessment on this material
* 2-**3** Weeks - **ASP.Net Core + CRUD**
  + ASP.NET Core Web Application setup
    - Empty Template
      * HTML elements
      * Razor pages + basics of <form> GET/POST (echo output)
      * Built-in **tag helpers** and **HTML helpers**
    - Web Application Template
    - Layout pages + Bootstrap + static resources + CSSGrid
  + Entity Framework Core
    - Startup.js configuration
    - Reverse-engineering database (scaffolding entities and DAL)
    - Scaffolding Razor CRUD pages
  + Customizing CRUD pages
    - Searching/Filtering
    - Pagination
  + Project on this material
  + Assessment on this material
* 1-**2** Weeks - **Code-First vs Database-First**
  + Explore Entity Framework Code-First development (which creates the database)
    - database seeding
    - database migrations
  + Code-First w. Navigation Properties
  + Reverse Engineering of Database
* **2** Weeks - **Advanced ASP.NET**
  + Discussion of Model Binding in Razor
  + Discussion of Routing and Endpoints
    - Brief look at MVC and Web API
  + Other Razor features
    - Custom Tag Helpers
    - Display Templates
    - Edit Templates
    - Razor/Blazor components
  + Project on this material (last 2 groups)
  + Assessment on this material