Module 4 Day 13

Creating an API with ASP.NET MVC

MVC API Controller

- Derives from ControllerBase
  - Traditional Controller derives from Controller, then ControllerBase
  - Eliminates a bunch of stuff we don't need (for Views)
- Class Attributes
  - [ApiController]
  - [Route("api/products")]
- Action Attributes
  - [HttpGet], [HttpPut], [HttpPost], [HttpDelete]
  - [HttpGet(routeTemplate, Name="route_name")]
  - [Route("{id}")]

MVC API Controller

- Action return values
  - ActionResult
  - Results automatically converted to JSON
  - Http Response codes
    - Ok() (default)
    - NotFound()
    - Created(), CreatedAtRoute(), CretedAtAction()
    - NoContent()
- Binding source inference (parameter attributes)
  - [FromBody], [FromQuery], [FromRoute]

Documentation with Swagger

- Setting up Swagger – Startup.cs
- XML Comments
- Setting up Swagger as the project start page