**ASP dotnet Core Notes**

**Importance of Status Codes**

* Indicate whether or not the request worked out as expected
* Report who or what is responsible for a failed request
  + User should know if they messed up
  + Host should know if they messed up
* Codes
  + Level 200
    - 200 – ok
    - 201 – created
    - 204 – No Content
  + Level 400
    - 400 - Bad request
    - 401 – Unauthorized
    - 403 – Forbidden
    - 404 – Not Found
    - 409 – Conflict
  + Level 500
    - 500 – Internal Service Error (uh oh)
* The controller can decide and return IActionResult for all those types.. Ok NotFound etc..

**Formatters and Content Negotiation**

* Selecting the best representation for a response given multiple available representations. Media type is passed via accept header.
  + Output formatter
    - Deals with output media type: accept header
  + Input formatter
    - Media type: content-type header

**EF Core**

* EFC core
  + is a lightweight, x-platform ,and extensible version of EF.
  + is not the same as the original EF
* Annotations are one way to define PK and FK, required fields, validation etc…
  + If you feel comfortable with it, EF has an implied version
* Migrations can be used and applied dynamically, DB can spin up dynamically with seed data
* Seed data can be applied by using an extension method