## Notes on Final Exam

### What should you expect on the Final exam?

* Hands-on programming exam
* Focused on chapters since midterm:
  + cookies & sessions (right at midterm point)
  + More validation
  + More EF Core
  + Componentization - i.e. tag helpers, partial view & view components
  + Authentication & authorization
* You will be building 1 app, same as with the midterm, and there will be a series of questions, basically 1 per topic in the previous list, that specify what you need to do.
* You will be provided with a functioning app as a starting point that you will be asked to build on.

### Good apps for review:

* The continually modified version of the authors Movies App (built on since ch4):
  + Good for EF Core:
    - full 1-to-many between Movies & Genres with a link on Genre in all movies table that takes user to Movies of that genre
    - full many-to-many between Movies & Actors (called Casting), namely an entity class that records the fact a given Actor was cast on a given Movie + add action link to all Movies view to take user to view all the actors that were cast in that movie
  + Plus AS4 was good for EF Core
  + Also good for tag helpers (last action message), partial views (Movie action links) & view component (TopRated movies)
  + Sandbox app (tag helpers, partial view, and view component)
* Saved Searches:
  + Saves searches in a session and generates GUID for a cookie as the session key
  + Plus AS3 of course was heavily focused on cookies & sessions
* Version of Murach Registration App:
  + Does most if not all of the validation attributes
  + Plus AS4
* Bookstore App:
  + In class I went in great detail through the process of adding authentication & authorization to the author's Bookstore app
  + Plus AS5