**Where we are:**

|  |  |
| --- | --- |
| Intro to MVC | Midterm, Navigation |
| Controllers and Views, Publishing to Azure | Forms and Tag Helpers |
| Unit Testing, Dependency Injection | Annotation and validation |
| Models, Entity Framework and Scaffolding | Authorization and Authentication |
| Customizing Scaffolding | API Controllers, Final |

**Announcement**

* Instructions for signing up for Azure are on Moodle

**Review**

* + Look at last week’s demo, especially the Movie model, controller, and view

Unit Testing

* What to test?
  + Business logic (in models, or in separate classes)
  + Controller methods
* Test directly against the database? No!
  + Add a test for a simple controller method: Search for book
  + Add a test for a more complex method: Create book
* Issues with testing against a real database
  + The database may not contain optimal data for doing certain tests. It’s not always practical/advisable to put data into a real data base during the arrange phase
  + The data can change over time and cause tests to fail.
  + The tests could cause unwanted changes to the real data.

xUnit

References

* [MSDN: Verifying Code by Using Unit Tests](https://msdn.microsoft.com/en-us/library/dd264975(v=vs.120).aspx)