Tentative Course Schedule

Week	In-class: Guided Exercises	On your own: reading, exercises, labs	Due
1 *1/10* 1/12	**Intro to MVC** Publishing to Azure: https://docs.microsoft.com/en-us/aspnet/core/tutorials/publish-to-azure-webapp-using-vs	Skim Freeman Ch. 1 – Core MVC in Context Exercise 1: Freeman Ch. 2– Your 1st MVC Application Read Freeman Ch. 3– The MVC Pattern Lab 1: Propose a web app term project	Tue Wed Sat
2 *1/17* 1/19	**Controllers and Views** • https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller • https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller	Skim Freeman Ch. 4 – Essential Language Features Read Freeman Ch. 5 – Working with Razor Exercise 2: Do the Ch. 5 project Lab 1 Release version and completed code review form. Lab 2: Skeletal version of your web app with Razor	Mon Wed Thu Sat
3 *1/24* 1/26	**Unit Testing, Dependency Injection** • https://docs.microsoft.com/en-us/dotnet/articles/core/testing/using-mstest-on-windows • https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/dependency-injection • https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/testing	Skim: Freeman Ch. 6 – Working with Visual Studio (36 pages) Read Ch. 7 – Unit Testing MVC Applications (31 pages) Exercise 3: Do the Ch. 7 project Lab 2 Release version and completed code review form. Lab 3 Beta: Add unit tests to your web site	Mon Wed Thu Sat
4 *1/31* 2/2	**Models, Entity Framework and Scaffolding** • https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-model • https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/working-with-sql	Read Freeman Ch. 8 – SportsStore (pgs. 191 – 216) Exercise 4: Do the Ch. 8 project, stop before "Pagination". Lab 3 Release version and completed code review form. Lab 4 Beta: Add EF and a database and publish	Mon Wed Thu Sat
5 *2/7* 2/9	**Customizing Scaffolding** https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/controller-methods-views	Read Freeman Ch. 8 (pgs. 216 – 234) Exercise 5: Finish the Ch. 8 SportsStore project Lab 4 Release version and completed code review form. No new lab assignment this week	Mon Wed Thu Sat

6 *2/14* *2/16*	**Navigation** Midterm review Midterm exam	Read Freeman Ch. 9 – SportsStore: Navigation (34 pages) Exercise 6: Do the Ch. 9 project Lab 5: Add navigation to your web app	Mon Wed Sat
7 *2/21* *2/23*	**Midterm discussion** **Forms and Tag Helpers**	Read Freeman Ch. 10 – SportsStore: Completing the Cart (22 pages) Exercise 7: Do the Ch. 10 project Lab 5 Release version and completed code review form. Lab 6 Beta: TBD	Mon Wed Sat
8 *2/28* *3/2*	**Annotation and validation**	Read Ch. 11 – SportsStore: Administration (28 pages) Exercise 8: Do the Ch. 10 and 11 projects. Lab 6 Release version and completed code review form. Lab 7: Add an administrative pages to your web app	Mon Wed Thu Sat
9 *3/7* *3/9*	**Authorization and Authentication**	Ch. 12 – Security and Finishing Touches Exercise 9: Do the Ch. 12 project Lab 7 Release version and completed code review form. Lab 8 Beta: TBD	Mon Wed Thu Sat
10 *3/14* *3/16*	**API Controllers** **Final Review**	Read Freeman Ch. 20 – API Controllers Exercise 10: Do the Ch. 20 project Lab 8 Release version and completed code review form.	Mon Wed Thu
11 *3/21*	Finals Week **Final Exam**	No reading, exercise or lab.	