**Week 1**

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**Content**

[**Topic 1 - Software used in the course**](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035323_1)

[Topic 1 - Software used in the course](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035298_1)

Set your home PC, your laptop with the software necessary for this course.

[[](javascript:markReviewed('_8035323_1'))Mark Reviewed](javascript:markReviewed('_8035323_1'))

[**Topic 2 - TextBook and Course Resources**](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035374_1)

[**Topic 3 - Getting Started**](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035602_1)

[Topic 3 - Getting Started](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035298_1)

Learn components of a Web App, static vs dynamic Web Pages.

[**Topic 4 - Quiz & Project(s)**](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035722_1)

**Completed this Module**

[Completed this Module](https://dmacc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_105776_1&content_id=_8035298_1)

This week, you have completed the following activities:

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity Name** | **Located In** | **Points Possible** | **Meets Competency** |
| Install Visual Studio | Topic 1 | 5 |  |
| Verify GitHub Account | Topic 1 | 5 |  |
| Install SQL Express | Topic 1 | 5 |  |
| TextBook Confirmation | Topic 2 | 10 |  |
| Chap 1 Quiz | Topic 4 | 10 |  |
| Exercise 1-1 | Topic 4 | 10 |  |

Before continuing, verify that you have attempts for all of these in your My Grades area. You are finished with the Module!

**Chapter 1**

**An introduction to web programming**   
**and ASP.NET Core MVC**

**Objectives**

1. Describe the components of a web app.
2. Describe the four components of a URL.
3. Distinguish between static and dynamic web pages, with the focus on the web server, application server, and database server.
4. Distinguish between the internet and an intranet.
5. Describe these terms: HTTP request, HTTP response, and round trip.
6. Describe the model, view, and controller of the MVC pattern.
7. Explain how using the MVC pattern can improve app development.
8. Describe four programming models that can be used for developing ASP.NET apps.
9. Distinguish between .NET Framework and .NET Core.
10. Describe how an ASP.NET Core app allows a developer to configure the middleware components in the HTTP request and response pipeline.
11. Define state and describe why it’s hard to track in a web app.
12. Distinguish between the Visual Studio IDE and the code editor known as Visual Studio Code.
13. Describe how coding by convention works and how it can benefit developers.