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CS 691

### **Assignment #1: Understanding the Web**

*Find at least three resources that explain the basics of HTTP protocols. Read (or watch...) the resources you found and write an evaluation of each resource with respect to how well it improved your understanding (one paragraph per resource). Be sure to provide links to each resource.*

*This assignment counts as a quiz grade and can be completed outside of class. It is NOT subject to mastery grading.*

1. <https://developer.mozilla.org/en-US/docs/Web/HTTP/Overview>

This article is an excellent resource for developers who want a clear foundation of HTTP protocols, aspects, messages, and flows. The aid provided by Mozilla is a basic overview and helps define simple terms. The article by Mozilla also describes how HTTP works with other technologies, such as HTML, CSS, and JavaScript, for web development. This article improved my understanding of HTTP protocols and is a medium-level difficulty with some background in networking knowledge. I especially liked the section on what can be controlled by HTTP, such as cache and authentications, which are essential for web development, and a lack of understanding on my end.

2. <https://youtu.be/wW2A5SZ3GkI>

Andrew's video, "What is HTTP? How the Internet Works!" covers the basics of HTTP protocols, requests & response codes, servers vs. clients, and networks. I enjoyed the video because I like a visual tool more than reading an article. Andrew does an easy job of breaking things down for easy comprehension for any skill level under 16 minutes. This excellent refresher video helped improve my understanding of HTTP protocols by breaking them down into simpler components of networking that I missed in my Computer Communications Networking course at UNR.

3. <https://youtu.be/hJHvdBISxug>

Maximilian Schwarzmüller, from Academind, is one of my favorite software developers and has a series of free videos. His video "How The Web Works - The Big Picture" provides a high-level overview of the web and user interactions, responses, and requests. I like this video in that it explains what a developer building a website will need to know with real-world examples. The video explains more about data exchange and briefly mentions higher-level topics of existing technology, such as WebSockets.