

## CM1040 Web Development Week 19 Lecture Note

**Notebook:** Web Development

**Created:** 2020-10-13 4:07 PM

**Updated:** 2020-12-19 12:13 PM

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Cornell Notes	Topic:  Web hosting and professional practices	Course: BSc Computer Science
		Class: Web Development CM1040[Lecture]
		Date: December 19, 2020
Essential Question:		
How do we ethically deploy websites?		
Questions/Cues:		
<ul style="list-style-type: none"><li>• How can a website be made available on the Internet for use?</li></ul>		
Notes		
<ul style="list-style-type: none"><li>• Website (available use) = in order for a website to usable and available on the internet, it needs to be uploaded to a web server. The web server is a computer that is running web serving software and a unique identity, so that pages on it can be found from anywhere in the world<ul style="list-style-type: none"><li>◦ If we want our own website, first step is decide what the unique identity will be and buy it (domain name) from a company that will register it with the authority that administers these names for the whole Internet<ul style="list-style-type: none"><li>■ It's this domain name that will provide the core for your website URLs</li></ul></li><li>◦ After buying the domain name, the next step is to associate the name with a web server somewhere in the world, the simplest way to do this is rent a web server from a company that will take responsibility for ensuring that a computer will be given the domain name and is connected to the Internet<ul style="list-style-type: none"><li>■ Every device connected to the Internet can be identified by a unique combination of 4 number between 0 and 255 separated by a dot ie. 151.101.64.81 known as the IP address</li><li>■ The website hosting company will register your domain name and the computer's unique IP address to ensure your website can be found and accessed<ul style="list-style-type: none"><li>■ The company will also tell how to move your HTML, CSS &amp; JS to the server and how to maintain your site</li></ul></li></ul></li><li>◦ When hosting your own website at home, beware that IP addresses to the home often change</li></ul></li></ul>		
Summary		
In this week, we learned about web-hosting principles.		

