CM1040 Web Development Week 11 Lecture Note

Notebook:	Web Development		
Created:	2020-10-13 4:07 PM	**Updated:**	2020-12-11 4:23 PM
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URL:	https://www.w3schools.com/tags/tag_link.asp		

Cornell Notes	**Topic:** Introduction to Responsive Web sites	Course: BSc Computer Science Class: Web Development CM1040[Lecture] Date: December 10, 2020

Essential Question:

What is responsive and accessible website design?

Questions/Cues:

- What was an early solution to responsive web design?
- What is the viewport?
- What is the @media query and what properties of the display can be queried?

Notes

- RWD = An early solution to the responsive web design was to design a mobile version and a desktop version. While this seemed like a good idea, it was frustrating for users because the mobile and desktop version often had different content and capabilities present. A solution to this problem was to provide CSS with the ability to interrogate a browser for information about the device, the display capabilities and the viewport
    - Viewport = the display space that is available to the browser to present web content
    - The CSS facility that provides this capability is the @media query, which can be used to build CSS rules depending on the value returned to the query.
        - Properties of the display that can be queried include:
            - Display and viewport height and width
            - Resolution
            - Display orientation
            - Color capabilities
            - Whether the display supports a mouse pointer or not
    - Once a response to the query has been returned from the browser, CSS properties for the HTML elements in the page can be bundled into a set of rules to define the presentation for the given situation

Summary

In this week, we learned about what responsive web design means, the viewport and CSS @media queries.