Interactive Multimedia Programming – Lab 2 Questions

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1. RWD – Responsive Web Design

* The purpose of RWD is to design for an optimal viewing experience regardless of what device is being used to view an application. To embed standards-based technologies into our designs to make them not only more flexible, but more adaptive to the media that renders them.
* It is used because it enables us to view web applications in a similar way on all of our devices without the need for a different application to be created for each platform or device
* Before RWD, every web application had to be specifically tailored for every different kind of device
* The main difference is time and resource consumption.
* CSS media queries can help us to build a responsive application by enabling us to use percentages instead of pixels for measurements and it also allows for better customization of divs.
* Both em and rem are flexible, scalable units which are translated by the browser into pixel values, depending on the font size settings in your design. If you use a value of 1em or 1rem, it could translate in the browser as anything from 16px to 160px or any other value.
* Yes, there have been new developments in technology for UI responsiveness such as CSS Grid and Flexbox. CSS Grid is a new technology that combines traditional CSS and Bootstrap together to make the coding for responsive apps easier.