

## **Week 9 Research Assignment by Jason Naggles**

### **Name 5 different Bootstrap components and describe how they work.**

A navigation bar is used in plenty of websites to make it helpful to navigate through the website which makes it become easy for the user to search for a topic of their interest. Usually, a navigation bar is placed at the top of the web page. A class called .navbar creates a navigation bar. The navbar becomes responsive by using the .navbar-expand-xl/lg/md/sm class. It is vertically stacked in small screens. In order to create a nav link, the <class="nav-item" element must be used first before using the <a class="nav-link">. Another bootstrap component is a progress bar. It is used to show the progress of a process. It shows how much of a process is completed and how much is left. An example of a progress bar would be used if a user is taking an online course. Any time a task or assignment is completed or even graded, the percentage of course increases until the bar is 100%. A third bootstrap component is an alert. Alerts are great ways to show if something is just about to be submitted before or even after. For example, a user wants to make a deposit on an online banking website. The user clicks on the submit button without typing the amount of money to be deposited. The warning would you say "You must type in an amount and not \$0. After typing an amount that is not \$0, such as \$50.00 to be deposited to a specific account followed by clicking the submit button, an after alert would say, "\$50.00 is deposited successfully to your specified account. A fourth bootstrap component is the grid system. The grid system allows up to 12 columns. They can be used individually or merge them together for wider columns. They must sum up to 12 in order to be used. A fifth bootstrap component would be colors. Bootstrap has many different classes to set the text color or even background color of an element.

## **What is a highlight of what you have learned this week?**

The highlight of what I have learned from this week is that Bootstrap can be easier to use. However, it does not override the ability to stop using the fundamentals and concepts from continuing to code with CSS. I honestly think that coding with CSS is the foundation on how to style content.

Bootstrap 4 – Navigation Bar: <https://www.geeksforgeeks.org/bootstrap-4-navigation-bar/?ref=lbp>

Bootstrap 4 – Progress Bar: <https://www.geeksforgeeks.org/bootstrap-4-progress-bars/?ref=lbp>

Bootstrap 4 – Alerts: <https://www.geeksforgeeks.org/bootstrap-4-alerts/?ref=lbp>

Bootstrap 4 – Grid System: <https://www.geeksforgeeks.org/bootstrap-4-grid-system/?ref=lbp>

Bootstrap 4 – Colors: <https://www.geeksforgeeks.org/bootstrap-4-colors/?ref=lbp>