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Week 9 Research

Prompts

1. Name 5 different Bootstrap components and describe how they work.

2. How does the Bootstrap grid system work?

3. What is a highlight of what you have learned this week?

Answers

1. 5 Bootstrap components:

- Cards – cards are flexible containers for content. They can hold text, images, links, lists, tables and other things. You can have headers and footers on the cards as well as titles and subtitles. You are able to control where in the card the image and text occurs and the cards are responsive and will stack or spread out depending on the screen size. Cards can have navigation in them and can be laid out both horizontally and vertically.
- Carousel – a carousel is a way to cycle through a group of elements like images or text slides. It lets you share more content but takes up less space than if you had each element laid out separately. You can control the type of transition, the speed at which each elements switches, add subtitles to the elements and add the ability to swipe through the elements or use buttons to move forward or back through the carousel.
- Dropdowns are clickable ways to display lists or links, they toggle on a click not by hovering. You can make dropdowns, drop up, or even to the side. You can put them in buttons and use all the color variations available for buttons as well.
- Navbars are a way to create a navigation bar that has links to other content in your website. They can have dropdown menus if you use the toggle class, you can include a brand in the navbar as well as forms if you'd like to have it inside of the navbar. Navbars are written to be fluid by default and if you make collapsible using toggle then they will automatically provide you with a hamburger menu when you view the website on a smaller screen.
- Buttons allow you to have actionable items on your website. So you can click to submit a form or go to another page. Buttons have many built in options for color as well as giving you the ability to determine color using CSS if you want something that is not already available. Buttons can exist in many other components like cards, dropdowns and navbars.

2. The bootstrap grid system allows you to organize components inside of rows and then columns. Rows and columns are responsive and you can control at what screen size they will wrap by giving them a size designation like s, m, lg, xl. Columns can be automatically sized to fit the whole row or you can tell them to take up a size of 1-12 with 12 being the full width of the row. If you have more than one column, you

can give each one a size or let them be equal in the row. Since the bootstrap grid system uses flexbox, you can utilize all the flexbox controls to align and justify elements within your rows and columns.

Sources:

All answers used Bootstrap documentation found at

https://getbootstrap.com/docs/5.2/getting-started/introduction/