1. Name five different Bootstrap components and describe how they work.
2. How does the Bootstrap grid system work?
3. What are the available options for incorporating Bootstrap into a project (CDN, npm, etc.)? Why might you use an npm install over a CDN?
4. How does Bootstrap support accessibility, and what are the best practices for ensuring an accessible Bootstrap project?
5. What are some alternatives to Bootstrap? Provide a short summary of one that interests you.

Rick Robb — Bootstrap Research

Bootstrap has a wide variety of components. Some that I found interesting (because the website I maintain at work uses them and I never understood the code behind them) were…

**Breadcrumb** which shows which page the user is on, but also the path there, making it easy to click back to different pages along a path. **Carousel** allows for cycling through various images each time the page is refreshed. **Dropdowns** present as an active menu feature that shows a submenu of either internal or external links. Bootstrap's dropdown code has options for different button appearances as well as dropup (pops upward), dropend (pops right), and dropstart (pops left.)  Similar to the dropdowns is **Popover**, a button that, when clicked, pops out some short content. **Spinners** were interesting to me just because I never thought of them as being a front-end coding thing. Bootstrap has code for a variety of colors and sizes as well as ones that flash or grow/pulse.

Source: [getbootstrap.com](https://getbootstrap.com/docs/5.3/components/spinners/)

There are multiple alternatives to using Bootstrap to deliver syntax templates to a coding project. Our instructor discussed a few in our last class, including Bulma. In a quick search, I found many more including a list of the “[12 Best Bootstrap Alternatives](https://thectoclub.com/tools/bootstrap-alternative/)” on the CTO Club website. Because that list also included Bulma, I decided to investigate. Bulma Sass was easy to install with npm. It has a basic set of elements such as blocks, buttons, content, etc. as well as code for columns, grids, and layout. While using some of it was pretty straightforward, I felt like there were a lot of missing (or non-intuitive) instructions needed, such as some of the code needed to be put in a <div> or other lines of syntax.

Source: [BULMA website](https://bulma.io/documentation/helpers/flexbox-helpers/#justify-content)