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Project #1: Design Report

For my project, I chose to work with the Stack Overflow Survey database. I chose to do so because as a computer science major who has yet to decide on my career path, I thought it'd be of interest to me to explore the thoughts of those who were in my same shoes but are now pursuing full-time careers as developers and coders. In doing so, I hope to shed light on the how content professional developers are in terms of their jobs, salaries, work environment, work schedules, and much more. For my first visualization, I've chosen to depict a world map highlighting all the countries that contain residents who've responded to the survey. The countries will be colored on a scale determined by number of responders, and when a specific country is clicked, the map will zoom in and create a pop-up with the number of responders in that country. This map will be linked to my other two visualizations, and when a country is clicked, its respective data will be passed to the other visualizations. For my second visualization, I've chosen a radar chart to either depict the percentage of people who use different programming languages or show the percentage of developer types (full-stack, back-end, front-end, etc.). For my third visualization, I've chosen a parallel coordinates diagram with age, years since learning to code, educational level, and salary as the four categories. The map will take 50% height and 100% width, while the other two will take 50% width and 50% height. I realize categorizing by country may not be the best idea because many countries have a small sample size, so I've been debating whether to categorize by country or by continent.