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Self-Driving Cars

In constructing our website to educate users on self-driving cars, we were sure to meet the criterias of usability, educational value, interactivity, and aesthetics. Below, we state how we met all those criteria.

- **Usability**
We made sure that the website was easy to navigate and a user didn't need any instructions prior to using the website. In the homepage, we ask the user what they want to learn and make the buttons very visible so they can be recognized as linked to other pages. We generally made accessing more information and even going back to the homepage easy with the use of visible and accessible buttons.
- **Educational value**
We were keen to ensure that our website had educational value. Our topic was on Self-Driving cars and we based the website on five key areas that we saw as important: general facts surrounding the use and development of self-driving cars, the timeline for the development of self-driving cars, companies involved in the making of autonomous vehicles, obstacles facing self-driving cars, and current research being done to improve self-driving cars. Our three personas we focused on were college students, tech professionals, and drivers. For college students, they can use the website to gain information they need and general facts about self-driving cars. They could test their knowledge with the quiz and from that learn about the impacts of self-driving cars. For tech professionals, they could also learn general facts surrounding self-driving cars and look at the current research being done to improve self-driving cars. From this, they could see where they fit in. Drivers could also use the website to learn more about self-driving cars and see how it is going to affect them on the road. They could get accurate information which would help them decide whether or not to embrace autonomous vehicles.
- **Interactivity**
We were sure to make our website interactive. We had on one of our pages a quiz that a user could take to see how much they know about self-driving cars. In the timeline page of the website, we also included a slider that the user could move to the right to display more information on how far self-driving cars have come and some projections for the future. Our "companies involved" page also has pictures of different self-driving cars and has buttons that users can click to show the next picture. Finally, the "obstacles" page had buttons that users can click to show a pop up window giving more information on the button selected.
- **Aesthetics**

Our implementation was visually appealing. We included a background video of a car in all of our pages which looked very great. We used the same font size, font family, text color, and background in all the pages to make sure the transitions looked amazing. We also designed our buttons to make them move when a user hovers over them. The text and information was neatly placed on all the pages. We're proud of how visually appealing our website was.

Besides the criteria above, we made sure our page would be understandable by everyone who uses it. They would use our website and learn something new.