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System Design  
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Project 2 Writeup

1. **Changes:**  
   The changes that were made to the website was much needed. To start, I reduced the image size for the logo as it took over more than half the page, making it a pain to use the website. Next, I made the background black and text to yellow, not only to match colors with the logo, but also for easy readability. I also ensured that each image wasn’t stretched and removed some of the excess text on the website.
2. **Accessibility:**  
   The option I chose for accessibility is for those that have a hard time seeing. The way I represented this is by accompanying the text for the menu with images of the food items next to it, with this specifically in mind. Those that can’t read the text for any reason, whether they cannot read English, cannot see text well, or cannot see well in general, should be able to see the images and get a vague understanding of the item of food featured.
3. **COPA:**  
   I chose to have a separate button for Mobile ordering in which they would need to have an age verification to ensure that the user is of age to be able to order food. This would be using a credit/debit card to ensure the proper age, as most younger people wouldn’t have a credit/debit card available for themselves.
4. **AWS/Z Mainframe:**  
   I believe that for the purpose of the site, the company should purchase an AWS webserver. The reason why I believe this is because if the company was to purchase a Z Mainframe, it would cost them anywhere from $250,000 to 4 million per mainframe, which in this case they would only need one mainframe. On the other hand, however, an AWS webserver would only cost $507 for 3 years that should provide any need for their website. By going through AWS, it uses AWS’ mainframes, which then the company wouldn’t need any maintenance technicians for the mainframe itself. The only maintenance that the company would need would be for the website itself.
5. **Software Development Methodology**  
   For this team I believe that Agile would work best since each person is an expert in their field, but also because they work asynchronously. This would work best because the team can meet each morning in the office or in an online meeting, and then the team has what they need to work on for the day. Since each person should be able to handle their portion, the deadlines shouldn’t be an issue, and if a deadline is an issue, then it should be communicated in a morning meeting.
6. **User Stories:**  
   “As a User, I want to be able to find the Menu Easily so that I can look at the menu before I get to a restaurant.”  
   “As a User, I want to be able to see some of the popular options so that I can eat highly recommended options”  
   “As a User, I want to be able to place a Mobile Order so that my food can be ready by the time I get to a restaurant.”  
   “As a User, I want to be able to buy gift cards on the website so that I can E-Gift them to my friends and family.”  
   “As a User, I want to be able to contact customer support so that I can ask about the food or send in a complaint.”
7. **SRS:**  
   Introduction:  
    Purpose: To provide users with an online menu as well as other suggestions from Dickeys BBQ Pit  
    Intended Audience: Anyone looking into ordering from or going to a Dickeys BBQ Pit  
    Intended Use: Have information about Dickeys easily accessible, as well as providing an online menu  
    Scope: Include an Online Menu, About Us, Contact, Popular Items, and Mobile Ordering  
   Overall Description:   
    User Needs: They need to be able to fully access all parts of the website, as well as being able to find what they’re looking for quickly.  
   Assumptions and Dependencies: No outside dependencies required, everything would be internal
8. **Dividing the team:**I would divide the team into two main groups, one that works on the actual website itself, and another team that would work on properly setting up the buttons after the core website was developed. Team 1, which consists of 3 workers, would take care of developing the base website, including button functionality (though not linked to anything), any visuals, as well as any links that would need to be on the website. Team 2, the other 3 workers, would add button functionality, as well as link any pages together on the website (making sure the menu button goes to the menu, contact us goes to the contact us page, etc.). This team would also work maintenance for the website after it is released to the public to add new things and to resolve any future bugs that may be found.
9. **Outsourcing:**  
   For this project, we would not need to outsource anything, as the 6-person team would be able to handle the development and maintenance of the website.