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COP3813
Project 3

This report provides an overview of the development process of the Hello Kitty Questionnaire web page. The main objective was to create a "cutesy" webpage to identify which Hello Kitty character the user resembles. The development involved the use of HTML, CSS, and JavaScript.

To create the mapping between answer choices and Hello Kitty characters, an object called 'characterMappings' was defined in the JavaScript file. This object assigned each choice to a specific Hello Kitty character. Additionally, a variable named 'userAnswers' was declared to store the user's selected answers as they progressed through the questionnaire.

The rendering of questions and choices on the webpage was accomplished using the 'renderQuiz()' function. This function accessed the HTML container with the id 'quiz' and dynamically generated HTML elements to display each question and its choices. It iterated through the 'questions' array and utilized the 'renderChoices()' function to generate the answer choices as radio buttons.

To capture the user's selections, the 'calculateResult()' function was implemented. This function looped through the questions and used the querySelector() method to retrieve the selected value for each question. The selected choices were then stored in the 'userAnswers' array.

Once the user completed the questionnaire, the 'calculateResult()' function analyzed the 'userAnswers' array to determine the Hello Kitty character that best matched the user's choices. It

utilized the 'characterMappings' object to tally the counts of each selected choice and identify the most frequently chosen Hello Kitty character.

Finally, the result was displayed on the web page using the 'resultContainer' element. The 'calculateResult()' function updated the HTML content of this element to show the name of the Hello Kitty character that aligned with the user's selections.

During the development process, Visual Studio Code was used as the primary code editor, and the web page was tested on Google Chrome and Safari browsers to ensure compatibility.

The learning curve for JavaScript was manageable, with the availability of various resources and documentation. However, certain tasks required careful attention and planning, particularly in designing the web page to achieve the desired aesthetic.

Overall, the project successfully utilized HTML, CSS, and JavaScript to create an engaging Hello Kitty Questionnaire web page, allowing users to select their answers and receive personalized results based on their choices.