

CST 226-2 Web Application Development

Lesson 02: My First Web Application

Activity 04: Building Dynamic Web Applications

Pre-requirements: Activity 03 must be completed.

Tasks:

1. Create an HTML form that enables users to submit their username and password. The form's action attribute should be set to a server-side page (e.g., "login.php") responsible for processing the form data. On the server-side page, retrieve the submitted username and password using variables and save the correct values for later verification. Compare the submitted credentials with the saved ones to determine correctness (You can save credentials using variables). If the username and password match, redirect the user to the "home.php" page while displaying a personalized welcome message such as "Hello, <<username>>! Welcome to my first web application." However, if the entered username or password is incorrect, redirect the user back to the login page, showing an error message stating "Username or password is incorrect."
2. Create a new PHP file called "quiz.php" to build an interactive quiz application. Inside the "quiz.php" file, define an array that holds the quiz questions, including the question itself, multiple options, and the correct answer for each question. Utilize a combination of HTML and PHP to present one question at a time to the user, along with multiple options displayed as radio buttons. As the user progresses through the quiz, capture their selected answer by utilizing query strings to pass the chosen option to the next question. This allows for seamless navigation between questions while maintaining the user's progress. Once the user has completed all the questions, calculate their score by comparing their chosen answers with the correct answers. Finally, display the user's score on the screen.