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PIC 40A

June 4, 2016

Executive Summary Report

My project is an interactive blog which consists of two main web pages, a title-login page and a blog page. On the title-login page, the user can log in to the blog page with his / her username and password. If the user is a new user, he / she can create an account by clicking “New User” button. On the blog page, the user can read the blog with the help of a navigation bar. In addition, he / she can also read other users’ reviews and ratings, rate the article, and post comments at the bottom of the web page. On the back end, my website stores users’ login information as well as records of reviews, ratings, and views.

I used HTML5 to create photos, text, comment sections, a navigation bar, and hyperlinks. I also used HTML5 tags, such as <nav>, and <figure>, to separate my code according to different semantic meanings. Besides HTML5, I used CSS3 to set the size, color, position, and box model of text and pictures. In addition, I used CSS3 to adjust indentation and set font families of text.

I used JavaScript (JS) to implement the animation which switches photos periodically on the login page. On the same page, I also used JS and Ajax calls to connect the form input to PHP code to verify and create account credentials. Meanwhile, I used jQuery to grab the user’s input in the forms. In addition to these main features, I used JS to direct the user from one page to another, set cookies, and create alert boxes.

At the end, I used PHP to catch the data sent from Ajax calls; then, I used it to verify the login data against a SQL database and send results back to JS code. I also used PHP to retrieve data from the database and print them to web pages. Lastly, I used PHP to update my database.