BrainSurge.com

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Course: CS 329E - Elements of Web Programming

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Date: 27 October 2014

We have decided to create a website that will allow users to take a variety of personality quizzes, register with our website to receive updates about future quizzes (hypothetical), and provide general information about personality and psychological concepts. We will supply a variety of personality quizzes taken from different sources to give users a range of options for how their personalities can be measured and interpreted. We think it is important for people to be able to learn about themselves, and we want to provide a fast, easy, and fun way to publicize that. We plan to incorporate different web programming elements on our site in the following ways:

The general layout of the website will obviously be written in HTML5 and styled with CSS. We plan to incorporate JavaScript and have dynamic HTML by creating aesthetically pleasing and unique quiz graphics to transition between questions. We also may have some dynamic elements on the homepage menu and links to other similar sites. We plan to have a video of a TED talk pertaining to the psychology of personality embedded on the homepage, along with related audio clips of different speakers. Additionally, we want to provide links to other websites that have personality quizzes or provide information about personality and psychology with descriptions (annotated links) so our users can access related topics that may interest them.

HTML forms will be used in two main areas throughout the website. Users will be given an opportunity to register and create a profile on the homepage. Thereafter, they will be able to login and open their profile in a new session. Both the registration and login interfaces will be forms processed with JavaScript and/or PHP. Secondly, the quizzes will be forms that store the answers and then process a result. These will also use JavaScript on the client side to grade the forms and return a result, while PHP will take the results and add them to a set of results to be stored on the user’s profile so that they can be viewed at any time after completion.

Visitors will have a place where they can register a username and password for future logins. Once they are logged in, they can choose to take any of the quizzes we have provided. We will use cookies to maintain state and record both the quizzes they have taken and their respective results. As stated above, these will then be published on a profile page that the users can access and see. The web design of our quizzes will also potentially require us to maintain state between questions, and with navigation through the site including visiting other websites. We will store our user base and each user’s information in a database through the utilization of MySQL.

Because the focus of our work will be on the technical aspects of the website and we want to provide our users with real results, the personality tests we are using will come from outside sources. We will be including the Myers Briggs Indicator test, the Big 5 Personality Quiz, and the Type A - Type B test though these are subject to change. All metrics and graphics used will be accredited in the copyright section of the homepage.