**Senior Project Requirements Document**

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CSCI 497: Senior Project Design

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**Users and Stockholders**

Demographic Information:

* Primary Users
  + expected educational level:
    - High School and/or some college
  + computer usage:
    - Moderate to heavy
  + age range:
    - 18-70
* Stakeholders
  + Users
  + computer usage:
    - Low to moderate
  + age range:
    - 18-70
* Secondary Users
  + computer usage:
    - Low to moderate
  + age range:
    - 20-70
* Requirement ID #1:
  + Requirement Type: Functional
  + Description: The website shall provide a login page for new users so they can access the homepage of the website.
  + Rationale: The login page will allow the user(s) to create a new account so they can gain access to the rest of the content provided within the website.
  + Originator: Patrick Snow
  + Fit Criterion: The login page shall allow a new user to sign up for an account with a username(that is not already taken or stored in the database) and a password. To test if the new username and password were successfully stored, the user will sign out and try to sign-in with the same username and password.
  + Priority: 1
  + Conflicts:
* Requirement ID #2:
  + Requirement Type: Functional
  + Description: The website shall provide a login page for current users so they can access the homepage of the website.
  + Rationale: The login page will allow the user(s) to sign in with an existing account so they can gain access to the rest of the content provided within the website.
  + Originator: Patrick Snow
  + Fit Criterion: The login page shall allow a current user to sign in with a pre-existing account that is stored in the database after it was created previously.
  + Priority: 1
  + Conflicts:
* Requirement ID #3:
  + Requirement Type: Functional
  + Description: The website shall provide a login page for guest users so they can access the homepage of the website with a limited set of features (in which they can only use the quizzes that are already provided by the creator and get their results) without logging in.
  + Rationale: The login page will allow the guest user(s) to gain access to a limited set of features provided within the website. This can help attract more users by giving them a “Visitor’s pass” in which they can see how the website functions.
  + Originator: Patrick Snow
  + Fit Criterion: The login page shall allow the guest user access to the correct limited set of (they can only use the quizzes that are provided by the creator of the website) that are provided within the website.
  + Priority: 1 (Highest Priority)
  + Conflicts:
* Requirement ID #4:
  + Requirement Type: Functional
  + Description: After a successful login into an account, the user shall be brought to the home page which will have several personality quizzes that are provided by the creator of the website.
  + Rationale: The home page which will consist of several personality quizzes, navigation bar, logo, website title, and two buttons named Create and Browse (The Create button will take the user to the Create page where he/she can create their own personality quiz. The Browse button will take the user to the Browse page which will have a list of personality quizzes made by other users.).
  + Originator: Patrick Snow
  + Fit Criterion: Whenever the home page is accessed it should contain the personality quizzes, navigation bar, logo, website title, and two buttons named Create and Browse.
  + Priority:4
  + Conflicts:
* Requirement ID #5:
  + Requirement Type: Functional
  + Description: The website shall provide the website’s navigation bar on all pages except the login page. The navigation bar will consist of two links (home page and profile page) and a sign-out button.
  + Rationale: To be able to access the quick links and sign-out button that will be provided in the navigation bar. The reason for the navigation bar is so the user will have quick links to certain pages in which they would not have to click to go back (the arrow button that points left in the top left of the browser) until they get to the page they desire.
  + Originator: Patrick Snow
  + Fit Criterion: All pages of the website except the login page shall provide the website’s navigation bar with the correct links and a sign-out button.
  + Priority: 5
  + Conflicts:
* Requirement ID #6:
  + Requirement Type: Functional
  + Description: The Create button shall take the user to the Create page which will allow the user to create their own personal personality quiz.
  + Rationale: To allow the user(s) to access the Create page so the user can make their own personality quiz.
  + Originator: Patrick Snow
  + Fit Criterion: The user shall be taken to the Create page after clicking on the Create button so he/she can create their own personality quiz.
  + Priority: 6
  + Conflicts:
* Requirement ID #7:
  + Requirement Type: Functional
  + Description: The Browse button shall take the user to the Browse page which will allow the user to browse personality quizzes made by other users.
  + Rationale: The Browse button will allow the user(s) access to the Browse page so the user can view other personality quizzes made by other users.
  + Originator: Patrick Snow
  + Fit Criterion: The user shall be taken to the Browse page after clicking on the Browse button so he/she can view personality quizzes made by other users.
  + Priority: 7
  + Conflicts:
* Requirement ID #8:
  + Requirement Type: Functional
  + Description: The Create page shall allow the user(s) to create their own personality quiz after entering all ten of the questions and five answers that correspond to each of the questions .
  + Rationale: This feature will allow the user(s) the ability to create their own personality quiz.
  + Originator: Patrick Snow
  + Fit Criterion: The user shall be able to make their own personality quiz after following the correct requirements labeled on the Create page.
  + Priority: 8
  + Conflicts:
* Requirement ID #9:
  + Requirement Type: Functional
  + Description: The Browse page shall allow the user(s) to access any of the personality quizzes that were made by other users.
  + Rationale: This feature will allow the user the ability to look at and interact with personality quizzes that were made by other users.
  + Originator: Patrick Snow
  + Fit Criterion: The user(s) shall be able to view or interact with any personality quizzes that were made by other users.
  + Priority: 9
  + Conflicts:
* Requirement ID #10:
  + Requirement Type: Functional
  + Description: On the Browse Page, the user shall be taken to the specific page that is linked to each particular quiz.
  + Rationale: The reason this requirement is needed is so the user will be provided with the correct quiz page after the user clicked on a specific link.
  + Originator: Patrick Snow
  + Fit Criterion: The user shall be provided with the correct quiz page after the user clicked on the link.
  + Priority: 10
  + Conflicts:
* Requirement ID #11:
  + Requirement Type: Functional
  + Description: The results page that consists of the results shall be provided after the user answers all of the questions for the particular quiz.
  + Rationale: The results page is needed to show the results after the user answers all of the questions for the particular quiz.
  + Originator: Patrick Snow
  + Fit Criterion: The website shall take the user to the results page and display the correct results after the user answers all of the questions for the particular quiz.
  + Priority: 11
  + Conflicts:
* Requirement ID #12:
  + Requirement Type:Functional
  + Description: The website shall provide an account/profile page for the user which will consist of the user’s account name, created personality quizzes with the corresponding URL, the ratings for each quizzes, and the results (will have the URL of the quiz tied to the result) the user decided to accept onto their profile.
  + Rationale: The account/profile page is needed for the users so they can look at the quizzes they made and the quizzes they used. It will also allow them to see the results they added from previous quizzes that they chose to add to their profile. The ratings can also help show the user’s quiz was rated on average by all of the users who decided to try the creator’s quiz.
  + Originator: Patrick Snow
  + Fit Criterion: The website shall be provided with the user’s correct account/profile page which will have their account name, created personality quizzes, and the results the user decided to accept onto their profile.
  + Priority: 12
  + Conflicts:
* Requirement ID #13:
  + Requirement Type: Functional
  + Description: The website shall allow the user(s) the ability to share the URL with their result and/or choose to save their result to their account/profile.
  + Rationale: This feature will provide the user(s) the ability to share their results and save it to their account/profile.
  + Originator: Patrick Snow
  + Fit Criterion: The website should have the ability to share the correct URL with their result and/or choose to save their result to their account/profile.
  + Priority: 13
  + Conflicts:
* Requirement ID #14:
  + Requirement Type: Functional
  + Description: The website shall provide the user(s) with a feature that should allow the ability to rate (from 1 = very unsatisfactory to 5 = very satisfactory) any of the quizzes on the website. The website shall also allow the user to ignore the rating system in which they will not be required to rate any of the quizzes at all if the user chooses not to.
  + Rationale: The rating system will allow the user to grade each quiz they take which can help other users determine if the quiz that was graded is great or bad.
  + Originator: Patrick Snow
  + Fit Criterion: The website should provide the user(s) with the rating system after the quiz is completely answered. Also, the website should also allow the user to browse other quizzes without being required to rate any of the quizzes.
  + Priority: 14
  + Conflicts:
* Requirement ID #15:
  + Requirement Type: Functional
  + Description: The Browse page shall provide a refined list function which will allow the user to order the list of quizzes by date created, A-Z of quiz name, or by the average ranking of the 5-star rating system.
  + Rationale: The list function will allow the user to order the list of quizzes in numerous ways that will suit the user’s needs.
  + Originator: Patrick Snow
  + Fit Criterion: The Browse page shall provide the ability to order the list of quizzes in the correct order by the date created, A-Z of quiz name, and by the average ranking of the 5-star rating system.
  + Priority: 15
  + Conflicts:
* Requirement ID #16:
  + Requirement Type: Functional
  + Description: The account/profile page shall have the ability to delete any results from their page if the user decides that he/she does not want it on their profile.
  + Rationale: The ability to delete results that he/she no longer wants on their profile page helps the user choose on adding results to their profile without the worry that it will stay on their permanently.
  + Originator: Patrick Snow
  + Fit Criterion: The account/profile page shall allow the user to delete any of the results he/she no longer wants on their profile page. After the user deletes the specific result then it should no longer display on their profile page.
  + Priority: 16
  + Conflicts:
* Requirement ID #17:
  + Requirement Type: Functional
  + Description: The website shall provide a database that will store the user’s username, password, ratings for each quizzes, personally created quizzes, and results.
  + Rationale: The database will help store the user’s username, password, ratings for each quizzes, personally created quizzes, and results. The database will mainly help store all of the data needed to create either the user’s profile page and/or personally created quizzes.
  + Originator: Patrick Snow
  + Fit Criterion: The website shall have a database that stores the correct user’s username, password, ratings for each quizzes, personally created quizzes, and results.
  + Priority: 17
  + Conflicts:
* Requirement ID #18:
  + Requirement Type: Look
  + Description: The website shall provide a button in the navigation bar that will change the colors in which it will have only a white background and black texts for each page.
  + Rationale: This feature will help make it more accessible for the color-blind users who could face difficulties using the website if it had many different colors that could potentially have melded together in their view.
  + Originator: Patrick Snow
  + Fit Criterion: The website shall only provide white background and black texts for all pages connected to the website to make it more accessible for the color-blind users.
  + Priority: 18
  + Conflicts:
* Requirement ID #19:
  + Requirement Type: Look and Feel
  + Description: The website shall be attractive to the majority of the users.
  + Rationale: The reason why it is important to make the website appealing is to attract more users.
  + Originator: Patrick Snow
  + Fit Criterion: A sampling of representatives without any prompting shall start using the product within five minutes of their first encounter with it.
  + Priority: 19
  + Conflicts:
* Requirement ID #20:
  + Requirement Type: Usability
  + Description: The website shall be easy for the user to use.
  + Rationale: The website needs to be easily accessible and readable so the majority of the users can understand what the website is and what all of the features are supposed to do.
  + Originator: Patrick Snow
  + Fit Criterion: Eighty percent of a sampling of representatives shall be able successfully complete certain tasks within specified time.
  + Priority: 20
  + Conflicts:
* Requirement ID #21:
  + Requirement Type: Performance
  + Description: The response time shall be fast enough to not disrupt the flow of the user’s interaction with the website.
  + Rationale: The website response time should be fast enough that it will not disrupt the flow of the user’s interaction with it.
  + Originator: Patrick Snow
  + Fit Criterion: The website response time for any activity shall take less than 2 seconds.
  + Priority: 21 (Lowest Priority)
  + Conflicts: