**Personality Quiz Website Test Plan**

## **Introduction:**

The website’s features should function correctly in its intended purpose without any errors. The goal is to make sure all of the features to be tested execute properly. The main features that need to be at least functional are the login/sign-up page and quiz query page. The constraint of the project is that the testing should be finished before August 15.

## **References:**

* [Senior Project Requirements Specification.docx](https://docs.google.com/document/u/0/d/1CDLOUKyz_bVUbH_23zKcTF7qAISGRsOqjBXKlzSIWMw/edit)
* [Draft Proposal.docx](https://docs.google.com/document/u/0/d/1Ht541kPkqp1bsCVLYwJJ7sQG4q-pSzZmOpi7kmoL1gY/edit)

## **Test Items:**

* Application used for the project: Visual Studio Code Release Notes: 1.66.2
* Flutter SDK Release Notes: 2.10.4
* Android Studio Patch 3
* Google Chrome browser (to view website)
* Windows 7 or later

## **Features to be Tested:**

* Login page functionality for new, current, and guest users.
  + Pg. 3-4 Senior Project Requirements Specification
* After successful login or use of guest login, then the user shall be taken to the correct designated page.
  + Pg. 4 Senior Project Requirements Specification
* The website should have a navigation bar on all pages except the login page.
  + Pg. 5 Senior Project Requirements Specification
* The Create button which is supposed to take the user to the Create page which allows the user to make their own personality quiz.
  + Pg. 6 Senior Project Requirements Specification
* The Browse button which is supposed to take the user to the Browse which allows the user to view and interact with other user’s created personality quizzes.
  + Pg. 6 Senior Project Requirements Specification
* 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.
  + Pg. 7 Senior Project Requirements Specification
* The Browse page should allow the user(s) the ability to access any of the personality quizzes that were made by other users.
  + Pg. 7 Senior Project Requirements Specification
* On the Browse page, the user should be taken to the specific page that is linked to each particular quiz.
  + Pg. 8 Senior Project Requirements Specification
* On the results page, it shall consist of the results after the user answers all of the questions for the particular quiz.
  + Pg. 8 Senior Project Requirements Specification
* The website shall provide an account/profile page for the user.
  + Pg. 9 Senior Project Requirements Specification
* The results should have a URL that can be shared or allow the user to save their results to their account/profile.
  + Pg. 9 Senior Project Requirements Specification
* A rating system for all quizzes made by other users.
  + Pg. 10 Senior Project Requirements Specification
* On the Browse page, a refined list function.
  + Pg. 11 Senior Project Requirements Specification
* Results, if desired by the user can be deleted.
  + Pg. 12 Senior Project Requirements Specification
* Database
  + Pg. 12 Senior Project Requirements Specification
* A button that will change the colors of the background to white and the texts to black.
  + Pg. 13 Senior Project Requirements Specification
* The website should be attractive to the majority of the users.
  + Pg. 13 Senior Project Requirements Specification
* The website should be easy for the user to use.
  + Pg. 13 Senior Project Requirements Specification
* The website’s performance speed and response time.
  + Pg. 14 Senior Project Requirements Specification

## **Approach:**

* Will have multiple users using the website.
  + Some users will be using the website unscripted while other users will be using the website with different types of scripts or steps.
  + The steps will designate the user to complete a task in a certain amount of time.
    - This is to help determine if the website is easy to use and functions properly.
  + Also, for some of the testing the test users will be supplied with a survey to grade the tested features.

## **Item Pass/Fail Criteria:**

* The test users will be observed during the time they are interacting with the website and they will be provided a survey to grade each of the tested features.
* Also, refer to the test cases data to determine if they meet the expected results.

## **Suspension Criteria and Resumption Requirements:**

* If the test user decides to opt out of the testing activity then they shall be excused.
* After the testing activities are done and analyzed. Then if there are any of the activities with abysmal ratings or failed in the testing phase, will then be fixed and updated. After the new update, the same testing will be used to make sure the previous functions are still working after the update and the update fixes the failures that were displayed in the previous testing phase.

## **Test Deliverables:**

* List test deliverables, and links to them if available, including the following:
  + [Test Plan](https://docs.google.com/document/u/0/d/1X0vzJro04JBpXHNueTDADx0lbKSDk2Q9y_yQivZJE1U/edit) (this document itself)
  + [Test Cases](https://docs.google.com/document/u/0/d/1SWiwrqNrhSV5Id7_FZaw5nlK9tV9qeVS_NkBI8j_Jwg/edit)

## **Test Environment:**

* Survey with questions for tested features.
* PC that has Windows 7 or later.
* Google Chrome (to view website).
* Stable enough Wifi to use Google Chrome and view websites.
* Location: Zoom meeting or at a scheduled meeting place.

## **Estimate:**

* The test estimate for each test user should be a maximum of 10 minutes.

## **Schedule:**

* **Start working on Flutter application (Dart and Javascript) and Firebase of the website. Also start of class CSCI 498 - 01/10/2021**
* **Front-end of the website done by - 04/15/2022**
  + The Flutter application of the website should be done by 02/30/2022.
* **The back-end of the website done by - 04/15/2022** 
  + The Firebase database of the website should be done by 02/30/2022
* **Testing different scenarios finished by - 08/15/2022**
* **Debugging errors and polishing the design of website by - 08/25/2022**
* **Turn in website to advisor - 04/15/2022**
* **Project Presentations - TBA on Fall 2022 for CSCI 499**
  + **Present demonstration of website and certain scenarios**

## **Staffing and Training Needs:**

* The user(s) just needs the ability to interact with a computer and a website.

## **Responsibilities:**

* The creator of the project and test plan will observe over the test users.
* The test users (half unscripted and other half scripted) will interact with the website.

## **Approvals:**

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Project Advisor please print your name on the line above.

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Advisor Date of Approval

Sign on the line above if you approve this test plan.