A picture containing text, sign, clipart

Description automatically generated

DCA Testing

User Information Handling

2023-03-22

Table of Contents

1. Purpose ……………………………………………………………………………………………………………………………… 2
2. Overview …………………………………………………………………………………………………………………………… 2
3. Scope …………………………………………………………………………………………………………………………………. 2
   1. User Log In ……………………………………………………………………………………………………………… 2
   2. User Creation ……………………………………………………………………………………………………… 2/3
   3. User Deletion …………………………………………………………………………………………………………. 3
   4. Reset Password ……………………………………………………………………………………………………… 3
4. Results ………………………………………………………………………………………………………………………………. 3
5. Analysis ……………………………………………………………………………………………………………………………… 3
6. Appendix …………………………………………………………………………………………………………………………… 4
7. **Purpose**

The user form greets the user upon arrival at our website, its purpose it to be visually appealing, while also being fully functional. The design of the launch page is meant to be self-explanatory. These series of tests will be important because, to the end user, this is the first step in their journey with our product. We must ensure that all aspects are working properly.

1. **Overview**

The launch page is a starting point for our users. It displays a place for them to log in to their pre-existing account (and have the browser remember their credentials upon request), create an account, and reset a forgotten password.

The feature works by taking in user provided information in a form, sending the information to a database, validating the user’s credentials, and either granting or denying them access. The user will be granted access if, upon log in attempt, they have an account with us, and their username/email and password are correct. In all other cases, the user should be denied access.

Creating a user works by taking user information from a form and storing it in our database. This information can then be used to grant them access at log in.

Resetting a password works by taking the users email and validating that they do have an existing account with us. They will then be sent an email with a new password to use, which they can change at any time within their profile configuration settings.

1. **Scope**

The entirety of the initial launch page will be tested. This page contains many parts including user log in, user creation, user deletion, the ‘remember me’ button, and resetting a users’ password. All of these features will be tested rigorously.

3.1 User Log In

A successful test for user log in would follow these steps:

1. The user arrives at the launch page (*Fig. 1*)
2. The user inputs their username and password (*Fig. 2*)
3. If correct, the user will be granted access to their statistics (*Fig. 3*)
4. If not, they will receive an error message, and be denied access (*Fig. 4*)

3.2 User Creation

A successful test for user creation would follow these steps:

1. The user arrives at the launch page (*Fig. 1*)
2. The user clicks “create a new user” button
3. The user inputs their email and password (*Fig. 5*)
4. The user’s input is sent to the database accurately

3.3 User Deletion

A successful test for user deletion would follow these steps:

1. The user arrives at the launch page (*Fig. 1*)
2. The user uses their credentials to log in to their account
3. The user navigates to the “configuration” tab (*Fig. 6*)
4. The user enters their password and selects the “delete user” button (*Fig. 7*)
5. The user’s information is removed from the database

3.4 Reset Password

A successful test for resetting user password would follow these steps:

1. The user arrives at the launch page (*Fig. 1*)
2. The user clicks the “forgot password” button
3. The user enters their credentials along with a new password (*Fig. 8*)
4. The user is able to log in to their account with the new password

The intuitiveness of the website and launch page is not being tested because we do not have the materials required to perform accurate human tests. It will be assumed that the user is able to navigate to the proper checkboxes, buttons, and menus without issue.

The testing environment will be a manual setup where the user will be demonstrating the capability of the test while also thinking intuitively about the steps they’re taking. This test will require a user, a computer, a browser, and an internet connection.

1. **Results**

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Test Cases Planned | Number of Test Cases Executed | Number of Tests Cases Passed | Number of Test Cases Failed |
| 20 | 20 | 20 | 0 |

Tests were carried out for each scope one at a time, five times each, for a total of 20 test cases.

1. **Analysis**

All test cases were passed without issue. The user provided little feedback as to potential improvements, but said we could make the website more accessible, with larger font sizes and colours that contrast further. We will take this into consideration.

1. **Appendix**

Graphical user interface, application, Teams

Description automatically generated

*Figure 1.* Launch page

Graphical user interface, application, Teams

Description automatically generated

*Figure 2.* Enter user credentials and click “Remember me” button

Graphical user interface, text, application

Description automatically generated

*Figure 3.* User is granted access to their statistics

Graphical user interface, application, Teams

Description automatically generated

*Figure 4.* Incorrect credentials with error message

Graphical user interface, application

Description automatically generated

*Figure 5.* Menu for creating a new account

Graphical user interface, text, application

Description automatically generated

*Figure 6.* “Configuration” tab in the website menu

Graphical user interface, text, application

Description automatically generated

*Figure 7.* Deleting user menu with password inputted

Graphical user interface, application

Description automatically generated

*Figure 8.* Reset password menu