

OCC Task 2 Test Log

CARL BAINES

Contents

Test Table 2

Database Logs 7

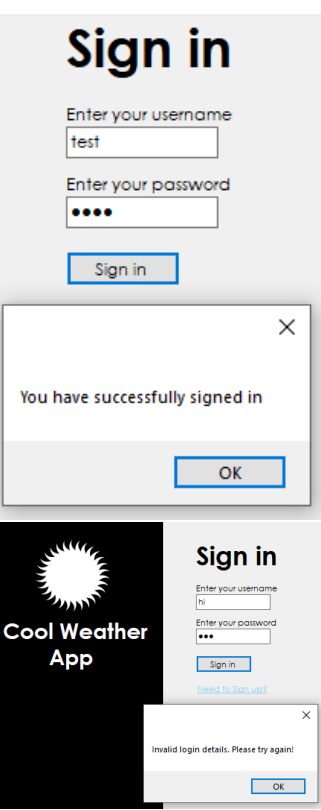
Test Number 4..... 7

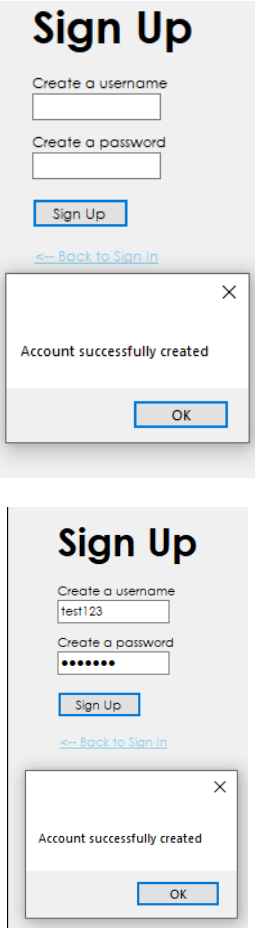
Test Number 11..... 7


Test Number 16..... 7

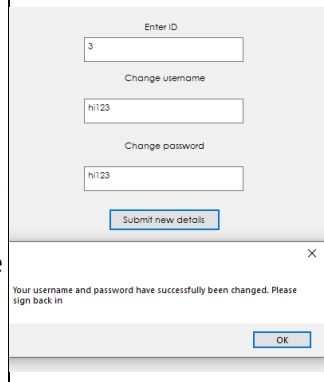
Test Number 18..... 8

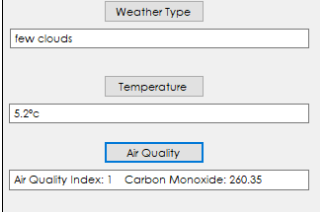
Test Table

| Test Number | Description of test | Test data to be used (if required) | Expected outcome | Actual outcome | Comments and intended actions |
|-------------|---|--|---|--|-------------------------------|
| 1 | Test to see if the sign in page works as intended. (Valid) | Username (string) and password (string) user input. | The sign in page should allow the user to enter a username and password. | The app works as intended. | N/A |
| 2 | Sign in page validation test (Valid/Invalid) | Valid username (string) and password (string) user inputs. Invalid username (string) and password (string) user inputs. | The app should check to see if the username and password inputted by the user are in the UserDetails database. If they are found, the app should redirect the user to the home page otherwise it should display an appropriate error message box. |  | N/A |
| 3 | Navigation test on the sign-in page. (Valid) | User mouse click | The app should redirect the user to the sign-up page if they click on the 'Need to Sign Up?' label. | The app works as intended. | N/A |
| 4 | Test to see if the sign-up page works as intended. (Valid) | Username (string) and password (string) user input. | The sign-up page should allow the user to enter a username and password. It should save the | The app works as intended. | N/A |

| | | | | | |
|---|---|---|---|--|---|
| | | | username and password to the database. | | |
| 5 | Navigation test on the sign-up page. (Valid) | User mouse click | The app should redirect the user to the home page if they enter a valid username and password. The app should also redirect the user to the sign-in page if they click on the 'Back to Sign In' label. | The app works as intended. | Validation needs to be implemented for the sign-up page so that the app does not navigate the user and allow them to gain access if one or more fields are empty. Test after changes in development: The app works as intended. |
| 6 | Sign-up page validation test (Valid/Invalid) | Null inputs for username and password inputs Valid username (string) and password (string) inputs. | The app should not allow the user to gain access to the app and display an appropriate error message if the user leaves a field empty. |  | Some validation needs to be implemented. Test after changes in development: The app works as intended. |

| | | | | | |
|---|--|--|--|--|---|
| 7 | Navigation test on the home page. (Valid) | User mouse click | The app should allow the user to navigate to the weather forecast page, providing they have entered a location. The app should also redirect the user to the settings page if the settings icon is clicked. | The app works as intended. | N/A |
| 8 | Test to see if the home page works as intended. (Valid/Invalid) | Valid location (string) input Invalid/null input for location | <p>The app should store the location entered by the user and pass it as a parameter over to the weather forecast page. If a location has not been entered, the app should not allow the user to navigate to the weather forecast page and should display an appropriate message accordingly.</p> <p>The icons in the app's page footer should also redirect the user to its designated page if clicked on.</p> | <p>The app works as intended.</p>  <p>The location box does not have any validation so it will navigate the user to the weather forecast page despite having a null input.</p> | <p>Need to implement validation on button click for the location submit button.</p> <p>Test after changes in development: The app works as intended.</p> |
| 9 | Navigation test on the settings page. (Valid) | User mouse click | The app should redirect the user to the edit profile page if its corresponding arrow is clicked on. This also should happen with the accessibility settings page. The app should also navigate the user to the sign in page if the sign out button is clicked. | The app works as intended. | N/A |

| | | | | | |
|----|--|--|--|---|--|
| | | | The icons in the app's page footer should also redirect the user to its designated page if clicked on. | | |
| 10 | Navigation test on the edit profile page. (Valid) | User mouse click | <p>The app should redirect the user back to the settings page if the back arrow is clicked on. The app should also redirect the user back to the sign in page after they have updated their username and password.</p> <p>The icons in the app's page footer should also redirect the user to its designated page if clicked on.</p> | The app works as intended. | N/A |
| 11 | Test to see if the edit profile page works as intended. (Valid/Invalid) | <p>Valid ID (integer), valid username (string) and valid password (string) inputs</p> <p>Invalid/null inputs for ID, username and password</p> | <p>The app should update the record in the userDetails database corresponding with the ID entered and navigate the user back to the sign in page.</p> <p>The app should display an appropriate message box if invalid or null inputs are entered.</p> | <p>The app works as intended.</p>  | Validation needs to be implemented for changing the account details. This is because null inputs can be entered. The ID also needs to be checked to see if it corresponds with a record within the database. |
| 12 | Navigation test on the accessibility settings page. (Valid) | User mouse click | The app should redirect the user back to the | The app works as intended. | N/A |

| | | | | | |
|----|---|---|---|---|--|
| | | | <p>settings page if the back arrow icon is clicked on.</p> <p>The icons in the app's page footer should also redirect the user to its designated page if clicked on. For example, if the user clicks on the home icon, it should redirect them to the home page of the app.</p> | | |
| 13 | <p>Test to see if the accessibility settings page works as intended.</p> <p>(Invalid/Valid)</p> | <p>Valid font size (integer) input.</p> <p>Invalid/null font size input.</p> | The app should allow the user to change the font size of all pages. | The app works as intended. | <p>Need validation for font size input.</p> <p>The interface for the app would also be much cleaner if changing the font size only changed text and not the size of common controls such as text boxes, buttons etc.</p> |
| 14 | <p>Navigation test on the weather forecast page.</p> <p>(Valid)</p> | User mouse click | The app should allow the user to navigate to the settings page or back to the home page of the app. | The app works as intended. | N/A |
| 15 | <p>Test to see if the weather forecast page works as intended.</p> <p>(Valid/Invalid)</p> | <p>Location (string) input from home page</p> <p>Weather type, temperature, air quality button clicks</p> | The app should pass the location entered from the home page as a parameter. It should then be used to pull associated weather data from the Open Weather APIs. |  <p>The app works as intended.</p> | N/A |

| 16 | Test to see if the app successfully hashes user passwords upon sign-up. (Valid) | Username (string) input Password (string) input. | The app should hash the user-inputted passwords and store them in the UserDetails database. | <table><tr><th>id</th><th>username</th><th>password</th></tr><tr><td>20</td><td>admin</td><td>\$2a\$10\$/mUC...</td></tr><tr><td>21</td><td>test</td><td>\$2a\$10\$/WSK0...</td></tr><tr><td>+</td><td>NULL</td><td>NULL</td></tr></table> The app works as intended. | id | username | password | 20 | admin | \$2a\$10\$/mUC... | 21 | test | \$2a\$10\$/WSK0... | + | NULL | NULL | N/A |
|----|---|---|---|--|--|----------|----------|----|-------|-------------------|----|------|--------------------|---|------|------|-----|
| id | username | password | | | | | | | | | | | | | | | |
| 20 | admin | \$2a\$10\$/mUC... | | | | | | | | | | | | | | | |
| 21 | test | \$2a\$10\$/WSK0... | | | | | | | | | | | | | | | |
| + | NULL | NULL | | | | | | | | | | | | | | | |
| 17 | Test to see if the validation on the sign-in page works as intended after hashing the passwords. (Valid) | Valid Username (string) and password (string) input. | The app should take the user-inputted password and hash it to see if it is equivalent of the hashed password in the UserDetails database. If the hash keys are the same, the app should allow the user to gain access to the app. | The app works as intended. | N/A | | | | | | | | | | | | |
| 18 | Test to see if the user can update their password after hashing has been implemented. (Valid) | Valid ID (integer) username (string) and password (string) input. | The app should update the username and password for the record associated with the ID inputted. The updated password should be stored as hashed. | The app does not update the password to be hashed. | Need to implement code that updates the password to be hashed. Test after changes in development: The app works as intended. | | | | | | | | | | | | |

DATABASE LOGS

Test Number 4

A username and password are saved to the UserDetails database.

| | | | |
|--|----|-------------|-------------|
| | 16 | newusername | newpassword |
|--|----|-------------|-------------|

Test Number 11

The username and password of the record under the ID entered is updated in the UserDetails database.

| | | | |
|--|----|------------------|------------------|
| | 16 | updateduserna... | updatedpasswo... |
|--|----|------------------|------------------|

Test Number 16

The username and password are stored in the UserDetails database when the user signs up. The password stored is hashed.

| | | | |
|---|----|------|--------------------|
| ▶ | 21 | test | \$2a\$10\$6WSK0... |
|---|----|------|--------------------|

Test Number 18

The updated username and password are stored in the UserDetails database. The updated password stored is hashed.

| | | | |
|--|----|----------------|--------------------|
| | 22 | hashupdatetest | \$2a\$10\$9OWDd... |
|--|----|----------------|--------------------|