Project STEP-UP Scheduler Tests - Final Project Status

Test Case: FR-01-TC01

Requirement Tested: FR-01

Requirement Text: Users must be able to execute a text-based search for sessions by location, subject, grade level, time, day of the week, and tutor

Inputs: N/A

Test Steps:

1. Click on the "Search for Sessions" button.
2. In the "Location" field, enter the following text: "John Hay High School"
3. Click the "Search" Button.
4. Verify that in the search results returned, only "John Hay High School" is listed in the "Location" field.
5. Click the "Search for Sessions" button.
6. In the "Subject" field, enter "Mathematics".
7. Click the "Search" Button.
8. Verify that in the search results returned, only "Mathematics" is listed in the "Subject" field.
9. Click the "Search for Sessions" button.
10. In the "Grade Level" field, enter "10".
11. Click the "Search" Button.
12. Verify that in the search results returned, only "10th Grade" is listed in the "Grade Level" field.
13. Click the "Search for Sessions" button.
14. In the "Time" field, enter 10:00 and check the "AM" box.
15. From the dropdown next to the "Time Field" choose "at or after this time".
16. Click the "Search" button.
17. Verify that in the search results returned, there are no entries that include times before 10:00AM.
18. Click the "Search for Sessions" button.
19. In the "Day of the Week" field, enter "Monday".
20. Click the "Search" Button.
21. Verify that in the search results returned, there are no entries that do not include "Monday" in the "Scheduled" field.
22. Click the "Search for Sessions" button.
23. In the "Tutor" field, enter "Andrew Morrison".
24. Click the "Search" Button.
25. Verify that in the search results returned, only "Andrew Morrison" is listed in the "Tutor" field.

Expected Output: All six "Verify" steps (Steps 4, 8, 12, 16, 21, and 25) were verified as correct without issue.

Search is implemented as a basic text search. Advanced search based on individual fields was determined to be out of the scope of the functionality necessary for the initial version of this project.

Test Case: FR-02-TC01
Requirement Tested: FR-02
Requirement Text: After executing a search, users must be able to restore the page to the state it was in prior to the search if desired

Inputs: N/A

Test Steps:
1. Click on the "Search for Sessions" button.
2. In the "Location" field, enter the following text: "John Hay High School"
3. Click the "Search" Button.
4. Verify that a "Clear Search Filters" button appears above the list of entries.
5. Verify that in the search results returned, only "John Hay High School" is listed in the "Location" field.
6. Click the "Clear Search Filters" button.
7. Verify that the filter has been cleared, and that entries other than "John Hay High School" are now listed.

Expected Output: All 3 "Verify" steps (Steps 4, 5, and 7) were verified as correct without issue.
Barring the slight differences in implementation, this requirement works as expected.

Test Case: FR-03-TC01
Requirement Tested: FR-03
Requirement Text: Users must be able to register for a unique username within the system and set a password

Inputs: Username: [Tester's Name] Password: [Tester's Name]

Inputs: N/A

Test Steps:
1. Click on the "Login" Button.
2. On the box that shows, click on the link labeled "Register"
3. Using the data from **Inputs**, enter text into each field.
4. Click the "Submit" button.

5. Verify that a box shows with the text: "Thank You! Your account has been created"
6. Close this box.
7. Verify that the home page has changed, and a new button has appeared labeled [Your Username]'s Account.

Expected Output: Both "Verify" steps (Steps 5 and 7) were verified as correct without issue.

Final Project Submission Status:

A user can create an account, but the page does not currently offer graphical feedback.

Test Case: FR-04-TC01

Requirement Tested: FR-04

Requirement Text: Users must be able to login to the system using their unique username/password combination, enabling extra functionality when using the system

Inputs: Username: "Test1" Password: "Test1"

Inputs: N/A

Test Steps:
1. If you are currently logged into the system, log out.
2. Click on the "Login" button.
3. Enter the data from **Inputs** into the proper fields.
4. Click "Login"
5. Verify that the home page has changed, and a new button has appeared labeled Test1's Account.

Expected Output: Step 5 was verified as correct without issue.

Final Project Submission Status:

This requirement can be verified as expected.

Test Case: FR-05-TC01

Requirement Tested: FR-05

Requirement Text: Tutors, site leaders, and CCEL supervisors must be able to create sessions, modify session time/location, and delete sessions; the scope in which a user can enact these capabilities depends on the user class

Inputs: Username "Tutor1" and password "Tutor1" to test tutor capabilities; username "andyThursdays" and password "derp" to test site leader capabilities; username "Janice" and password "lol" to test CCEL supervisor capabilities; example session information to be entered by tester

Test Steps:
1. Click on the "Login" button.
2. Using the data from **Inputs**, login to a tutor account.
3. Click on the arrow next to "Tutor1's Account"
4. Click on "Sessions I Tutor"
5. Click the "Create New Session" Button.
6. Enter any data you like into the fields.
7. Click "Submit"
8. Verify that a new session has been added to the displayed list with the data you entered.
9. Click the "Options" button on the new session.
10. Click on "Modify Session"
11. Modify some data in the fields.
12. Click "Submit"
13. Verify that the session's data has been updated with the data you entered.
14. Click the "Options" button on the new session.
15. Click on "Delete Session"
16. Click "Yes" on the confirmation dialog that appears.
17. Verify that the session no longer appears in the list.
18. Repeat steps 1 through 17 using the site leader login credentials
19. Repeat steps 9 through 17 while logged in as a site leader on a session created by another user at the site leader's site.
20. Repeat steps 1 through 17 using the CCEL supervisor credentials
21. Repeat steps 9 through 17 while logged in as a CCEL supervisor on a session created by another user

Expected Output: All three "Verify Steps" (Steps 8, 13, 17) are verified as correct without issue for all three user types.

Final Project Submission Status:
A user can create an account, but the page does not currently offer graphical feedback.

Test Case: FR-06-TC01
Requirement Tested: FR-06
Requirement Text: Registered attenders must be able to indicate that they "will attend" a session, or revoke a previous indication that they "will attend" the "will attend" status must be visible to the session's tutor

Inputs:
Student Login:
username: Test1
password: Test1
Tutor Login:

username: Tutor1
password: Tutor1

Test Steps:
1. If you are currently logged into the system, log out.
2. Click on the "Login" button.
3. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
4. Click on the "Search" button.
5. In the "Tutor" field, enter "Tutor1".
6. Click "Search".
7. In the list of search results, click any "I Will Attend" button. Note the details of the session you choose.
8. Verify that the button's text changes to "Attending"
9. Log out of the system.
10. Using the details from the "Tutor Login" portion of **Inputs**, login to a tutor account.
11. Click on the arrow next to the button labeled "Tutor1's Account"
12. Click on "Sessions I Tutor".
13. In the list of sessions, find the session you added to the Student Account. On this entry, click "Students Attending"
14. Verify that this list includes "Test1".
15. Log out of the system.
16. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
17. Click the "My Sessions" button.
18. Find the session you added previously. Click the "Attending" button attached to it.
19. Verify that the button's text changes to "I Will Attend"
20. Close "My Sessions".
21. Log out of the system.
22. Using the details from the "Tutor Login" portion of **Inputs**, login to a tutor account.
23. Click on the arrow next to the button labeled "Tutor1's Account"
24. Click on "Sessions I Tutor".
25. In the list of sessions, find the session you added to the Student Account. On this entry, click "Students Attending"
26. Verify that this list no longer includes "Test1".

Expected Output: All four "Verify Steps" (Steps 8, 14, 19, 26) are verified as correct without issue.
==Final Project Submission Status:==
Barring the slight differences in implementation, this requirement works as expected.

Test Case: FR-07-TC01
Requirement Tested: FR-07
Requirement Text: Attenders must be able to send messages to Project STEPUPaffiliated users

Inputs:
Student Login:
Username: Test1 Password: Test1
Supervisor Login:
Username: Super1 Password: Test1

Test Steps:
1. Click on the "Login" button.
2. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
3. Click on the arrow next to "Test1's Account"
4. Click on "Message Center"
5. Click on the "Create New +" button
6. In the "To" field, enter "Super1"
7. In the message field, enter "Test Message"
8. Click "Send"
9. Log out of the system.
10. Using the details from the "Supervisor Login" portion of **Inputs**, login to a student account.
11. Click on the arrow next to "Super1's Account"
12. Click on "Message Center"
13. Verify that the message you sent appears in the list of messages.

Expected Output: Step 12 is verified without issue.
Final Project Submission Status:
Barring the slight differences in implementation, this requirement works as expected.

Test Case: FR-08-TC01
Requirement Tested: FR-08
Requirement Text: Project STEPUP-affiliated users must be able to send messages to other Project STEPUP-affiliated users, or to attenders

Inputs:
Supervisor Login:
Username: Super1 Password: Super1
Administrator Login:
Username: Admin1 Password: Admin1

Test Steps:
1. Using the details from the "Supervisor Login" portion of **Inputs**, login to a student account.
2. Click on the arrow next to "Super1's Account"

3. Click on "Message Center"
4. Click on the "Create New +" button
5. In the "To" field, enter "Admin1"
6. In the message field, enter "Test Message"
7. Click "Send"
8. Log out of the system.
9. Using the details from the "Administrator Login" portion of **Inputs**, login to a administrator account.
10. Click on the arrow next to "Admin1's Account"
11. Click on "Message Center"
12. Verify that the message you sent appears in the list of messages.

Expected Output: Step 12 is verified without issue.
==Final Project Submission Status:==
Barring the slight differences in implementation, this requirement works as expected.

Test Case: FR-08-TC02
Requirement Tested: FR-08
Requirement Text: Project STEPUP-affiliated users must be able to send messages to other Project STEPUP-affiliated users, or to attenders

Inputs:
Supervisor Login:
Username: Super1 Password: Super1
Student Login:
Username: Test1 Password: Test1

Test Steps:
1. Using the details from the "Supervisor Login" portion of **Inputs**, login to a student account.
2. Click on the arrow next to "Super1's Account"
3. Click on "Message Center"
4. Click on the "Create New +" button
5. In the "To" field, enter "Test1"
6. In the message field, enter "Test Message"
7. Click "Send"
8. Log out of the system.
9. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
10. Click on the arrow next to "Test1's Account"
11. Click on "Message Center"
12. Verify that the message you sent appears in the list of messages.

Expected Output: Step 12 is verified without issue.

Barring the slight differences in implementation, this requirement works as expected.

Test Case: FR-09-TC01
Requirement Tested: FR-09
Requirement Text: When a session is modified or cancelled, the system must automatically send a message to all attenders who made the "will attend" indication for that session to inform those users that the session has been changed or cancelled

Inputs:
Supervisor Login:
Username: Super1 Password: Super1
Student Login:
Username: Test1 Password: Test1

Test Steps:
1. Using the details from the "Supervisor Login" portion of **Inputs**, login to a student account.
2. Click on the arrow next to "Super1's Account"
3. Click on "Sessions I Manage"
4. Choose a session from the list, and click the "Options" button attached to it.
5. Click "Modify Session"
6. Modify one or more of the fields.
7. Click "Submit"
8. Log out of the system.
9. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
10. Click on the arrow next to "Test1's Account"
11. Click on "Message Center"
12. Verify that a new message is listed with the subject "A Session you are attending has been modified."
13. Click on this message.
14. Verify that the message body contains the text "A Session you are attending has been modified. The new details are:" followed by the data you modified.

Expected Output: Both "Verify" steps (Steps 12, 14) are verified as correct without issue.
Sessions cannot currently be edited once created.

Test Case: FR-09-TC02
Requirement Tested: FR-09

Requirement Text: When a session is modified or cancelled, the system must automatically send a message to all attenders who made the "will attend" indication for that session to inform those users that the session has been changed or cancelled

Inputs:
Supervisor Login:
Username: Super1 Password: Super1
Student Login:
Username: Test1 Password: Test1

Test Steps:
15. Using the details from the "Supervisor Login" portion of **Inputs**, login to a student account.
16. Click on the arrow next to "Super1's Account"
17. Click on "Sessions I Manage"
18. Choose a session from the list, and click the "Options" button attached to it.
19. Click "Delete Session"
20. Click "Yes" on the confirmation dialog that appears.
21. Log out of the system.
22. Using the details from the "Student Login" portion of **Inputs**, login to a student account.
23. Click on the arrow next to "Test1's Account"
24. Click on "Message Center"
25. Verify that a new message is listed with the subject "A Session you are attending has been canceled."
26. Click on this message.
27. Verify that the message body contains the text "A Session you are attending has been canceled. The session details were: " followed by the data from the session you deleted.

Expected Output: Both "Verify" steps (Steps 12, 14) are verified as correct without issue.

Barring the slight differences in implementation, this requirement works as expected.

Test Case: NR-01-TC01
Requirement Tested: NR-01
Requirement Text: Upon a search being executed, there must not be a full page refresh in order to display the search results

Inputs: Search term "john hay" in the search box on the home page.

Test Steps:
1. Enter the example search term and press enter
2. Verify that jQuery adjusts the contents of the home page without refreshing the page.

Expected Output: Step 2 is verified as correct without issue.

Barring the slight differences in implementation, this requirement works as expected.

Test Case: NR-03-TC01
Requirement Tested: NR-03
Requirement Text: All functional requirements must be exclusively accessible to those user classes for which they are intended, and inaccessible to all other classes of users

Inputs: Username "Tutor1" and password "Tutor1" to test tutor capabilities; username "andyThursdays" and password "derp" to test site leader capabilities; username "Janice" and password "lol" to test CCEL supervisor capabilities; username "student1" and password "omg" to test attender capabilities.

Test Steps:
1. Log in using the example student credentials above.
2. Click the arrow next to "student1's account"
3. Verify there are no options listed for creating, modifying, or deleting sessions.
4. Log in using the example tutor credentials above.
5. Click the arrow next to "tutor1's account"
6. Verify user may create sessions.
7. Verify user may only modify or delete session for which the user is listed as a tutor.
8. Log in using the example site leader credentials above.
9. Click the arrow next to "andyThursdays's account"
10. Verify the user may create sessions.
11. Verify the user may modify or delete sessions which are taking place at the site leader's tutoring site.
12. Log in using the CCEL supervisor credentials above.
13. Click the arrow next to "Janice's account"
14. Verify the user is able to create sessions.
15. Verify the user is able to modify or delete several different test sessions in the list of all sessions.

Expected Output: Steps 3, 6, 7, 10, 11, 14, and 15 are verified as correct without issue.
Barring the slight differences in implementation, this requirement works as expected.

Test Case: NR-04-TC01
Requirement Tested: NR-04

Requirement Text: Correspondence with the server to perform a "login" operation must be done through a secure data transfer protocol.

Inputs: Login credentials "andyThursdays" and "derp"

Test Steps:
1. Start Wireshark on the tester's computer.
2. Set Wireshark's filter to display all packets coming from localhost.
3. Navigate to the home page of the website, and enter the above credentials into the login dialog.
4. Press enter to submit the credentials to the server.
5. Observe the corresponding packets captured by Wireshark and ensure the login credentials are not available in any unencrypted format.

Expected Output: Step 5 is verified as correct without issue.
Final Project Submission Status:
Secure data transfer was determined to be out of the scope of the functionality necessary for the initial version of this project. Data is transmitted in cleartext.

Test Case: NR-05-TC01
Requirement Tested: NR-05
Requirement Text: The system's home page must have a search bar to allow immediate browsing of available sessions

Inputs: N/A

Test Steps:
1. Load the homepage.
2. Verify that a text field labeled "Search" appears at the top of the page.

Expected Output: Step 2 is verified as correct without issue.

Final Project Submission Status:
This requirement works as expected.