

Here is an example of a test case I created for my job at Gleim.

Crosscheck: Persist Flight School Selection Across Refreshes on Slugless Routes using LocalStorage

<https://gitlab.teamgleim.com/gleim-it/qc/testing-requests/-/issues/4280>

Introduction

A Crosscheck issue was found by a tester where, if you are in the `Pass Rate` page and refresh the page, no matter what school you are in, it will take you to the default school. This is an issue because it will cause confusion for users when they are trying to run the Pass Rate report and may unknowingly be running it for the wrong school. The goal is that the Pass Rate report should never switch schools without the user wanting it to, and that no new issues are introduced with the fix.

Another fix has been implemented so that the Pass Rate Report will no longer be shown for Part 61 schools. The function has no use for Part 61 admins, so it is not necessary for it to be a feature. Removing it will allow for less clutter to be on the page and a more streamlined experience for Part 61 Users.

Scope

In-Scope

1. Crosscheck
 - Search function
 - Pass reports
 - Admin center

Out-of-Scope

1. Accounting courses
2. Aviation courses
3. Old FSUM

Suggestions for Differences in Server Testing

SB

Sandbox testing should be moderate. Testers should make sure any feature with the `Pass Rate` report functions correctly, as well as the `Student Search` function, as it has similar functionality. Testers should also do regression testing on all of the Crosscheck features, as unrelated issues are introduced or are often found when new Crosscheck fixes are implemented.

Dev

Dev testing should be highlights. The fixes do not encompass a wide range of features, so limiting testing to just the `Pass Rate report` function as well as the `Student Search` is fine. Minor regression testing can be done.

Live

Live testing should be highlights and follow the same procedures as dev.

Automation

1. The pass rate fix should not have any automation for it, as it is too small a fix. It would take more time to create the script than it would to test. The script would not likely be used much afterwards.
2. The regression testing can be automated and would be a good use of company resources to implement. The automation script should check every page listed in the regression test case. This script can be used for many future cross-check testing TRs.

Test Cases

Test Case 1 - Pass Rate Report refresh fix

1. Verify that for Global admin accounts, the default school is selected when first entering Crosscheck(Should be Gleim Aviation on dev and live). When entering the Pass Rate Report, the default school will be shown at the top left in the dropdown box.
 - * When refreshing the page on the Pass Rate Report, it still shows Gleim Aviation as your school
2. Verify that when accessing the Pass Rate Report with a school other than the default school selected, the school name will be shown at the top left of the page in the dropdown box
 - * When refreshing the page on the Pass Rate Report, it still shows the name of the school you selected
3. Verify that School Owner and School Admin accounts that have multiple schools assigned to them do not have their school changed when refreshing on the Pass Rate Report
4. Verify that running the report and then refreshing the page does not cause the school to switch
5. Verify that passing an OGS 141 course after the fix has been implemented will cause the user to show up in the Pass Rate Report
5. Verify that when in the default school and in the Student Search, you will still be in the default school after refreshing the page
6. Verify that when in a non-default school and in the Student Search, you will still be in the same school after refreshing the page
7. Verify that you are able to see the Student Search in part 141 and part 61 courses
8. Verify that the student search works as expected
 - * Sandbox testing should compare the search to dev to make sure it returns the same results

Test Case 2 - Part 61 Pass Rate Report removal

1. Verify that for part 61 schools, the Pass Rate Report does not show up under the Student search
2. Verify that if a school has both part 141 and part 61, the Pass Rate Report shows up for the 141 part but not the 61 part
3. Verify that for part 61 courses, the interface is adjusted to eliminate excessive white space left as a result of the Pass Rate Report link being removed
 - * Verify that tabbing from the School Search sends you to the Pilot Certifications link, and there is no empty highlight for the Pass Rate Report
4. Verify that trying to access the pass rate report through a URL in part 61 sends you to the overview page
5. Verify that trying to access the pass rate report through a URL in part 141 sends you to the report as expected
6. Verify that the report works as expected, and data is shown when running the report
 - * For sandbox testing, compare the data to dev and make sure the data is the same
 - * Make sure that the School certificate names(Sport Pilot, Commercial Pilot, etc) are shown in the report, as there was an issue before with them not showing

Test Case 3 - Regression testing

1. Verify that you are able to switch between different School certifications if the school has multiple
2. Verify that the class roster works correctly
 - * Sorting for every column
 - * Search function
 - * Course status/Exam status filter
 - * Date filter
 - * Clicking on students brings up their Student record page
 - * "Student per page" function
3. Verify that the Grade Book works correctly
 - * Sorting for every column
 - * Search function
 - * Course status/Exam status filter
 - * Clicking on students brings up their Student record page
 - * "Student per page" function
4. Verify that the Student record page works as expected
 - * View enrollment certificate
 - * Lock student function
 - * View graduation certificate
 - * Add/delete new comments
 - * Grade book review links
 - * Add/Delete FAA report
5. Verify that you are able to switch schools
6. Verify that the review functions work
 - * Switching between questions

- * Filtering the questions
- * Make sure Quiz data is correct
- 7. Verify that you are only able to access the admin center with global and school owner accounts
- 8. Verify that the lockout report functions correctly
 - * Sorting for every column
 - * Clicking on students brings up their Student record page
 - * "Student per page" function
- 9. Verify that you are able to create/delete a school in the admin center
 - * All fields need to be filled out to create a school
 - * You can add and remove admins from schools
- 10. Verify that the admin center works as expected
 - * Sorting for every column
 - * Search function
 - * School status/Part filter
 - * Clicking on a school brings up the school profile
 - * "Student per page" function

Notes

1. Know issues with Student Search and Pass Rate Report
 - * <https://gitlab.teamgleim.com/gleim-it/code-repos/ogs3/fsum-vue-app/-/issues/278>
 - * <https://gitlab.teamgleim.com/gleim-it/code-repos/ogs3/fsum-vue-app/-/issues/275>