Team Admin

Student Reports and Statistics
(SRAS)

Test Plan

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Release Date
March 3, 2023

Executive Summary

Student Reports and Statistics (SRAS) is an anonymous reporting and tracking system designed for college students. SRAS aims to provide transparent information and report tracking for students that is lacking in the annual safety reports conducted by Campus Safety, as well as the anonymous (and non-anonymous) support systems in place at the Title IX office. With SRAS, students can file a report anonymously, access school-wide data, and re-access every report they have submitted.

This document provides nontechnical information regarding the purpose and behavior of SRAS.

Document Version History

Date	Owner	Comment
03/02/2023	Judy Gonzalez	Rough draft started, Test Steps 5 & 6
03/02/2023	Mai Nguyen	Initial text for User Acceptance Matrix, Test Steps 7 & 8
03/02/2023	Kyle Moriarty	Initial text for Feature Tests 3 and 4.
03/03/2023	Kyle Moriarty	Edited and finalized the processes and successes for Feature Tests 3 and 4.
03/03/2023	Whitner Reichman	Initialize and edit text for Feature test 1, 2 , and 9.

Project Description

SRAS is a software product designed to provide students with geographic information on crime and sexual assault activity on campus, with a focus on students of marginalized identities and underclassmen. The primary goal of SRAS is to improve safety by empowering students with the knowledge and resources they need to make informed decisions about their activities.

The software has three main capabilities: displaying information, intaking anonymous report information, and retrieving report information. The display feature of SRAS will allow students to view locations on their campus that displays incidents of crime and sexual assault. This will help students identify high-risk areas on campus and make informed decisions about where to go and when.

The intake feature of SRAS will allow students to anonymously report incidents of crime and/or sexual assault that they have witnessed or experienced. Report information consists of a number of written answers, as well as multiple choice answers. Not all fields must be filled for a report, though there are three minimum requirements to submit the report. The reporting process is designed to protect the reporter's personal identity, while still collecting important information for students attending our school.

Finally, the retrieval feature of SRAS will allow users to re-access a previously filed report. This will enable people to track changes made in the filing system regarding the location of their report, as well as the ability to edit the same report.

SRAS is designed with a focus on students of marginalized identities and underclassmen to ensure that all students have access to accurate and relevant information about campus safety. By providing students with the tools they need to make informed decisions about their safety, SRAS will help create a safer and more secure campus environment for everyone.

User Acceptance Testing Matrix

The test matrix enumerates tests to be conducted that verify the delivered system meets the requirements from the BRD. Following the matrix, the testing steps for each test are provided. Tests should be able to be completed without understanding of the internal technologies being used.

Feature Matrix

ID	Test Name	Comment	BRD ID
1	SRAS Startup		C.1
2	File a Report		E.1, E2, E.3, D.1, D.2, D.5, D.6, D.7, D.8, D.9, D.10, D.13, D.14
3	Cancel a Report		D.2, D.4
4	View Current Statistics		T.1, D.1
5	View Filtered Statistics		E.1, E.4
6	View Additional Resources		C.2
7	View About		C.3
8	Re-Access Report		E.1, E.2, D.1, D.2, D.3, D.6, D.7, D.8, D.9, D.10, D.13, D.14
9	Admin Access		D.11

Test Steps

1 - SRAS startup

Process:

1. User has access to all SRAS files, and executes the main method of the main class from the terminal.
2. The 'home' page, and its command options should print at this time.

Success:

- The program executes and printed text appears with a command line interface

2 - File a Report

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Select the 'file a report' option via the command line number option from the 'home' page where all options are displayed. This should be executed by pressing the number key indicated and then the 'return' key.
4. Once the 'file a report' page comes up, enter the information asked, or press 'return' to skip the field. Skipping the field by pressing return is not possible for minimum requirements, and an error message will come up.
5. Once you fill out or skip all fields on the page (i.e. graduating class, date to the month, and mental health impact 1-10 are the only fields that *must* be filled), execute a submit command from the command line to save and submit the report.
   a. There are specific formats that are the only acceptable input (i.e. for information like date, only a mm/dd/yyyy or mm/yyyy format will be accepted before moving to the next prompt).
6. Once the report is submitted, a new page should be generated, only containing the ID for user re-access and some text information about the user's report.
7. The information that was inputted should be saved to a CSV file with the re-access ID (not seen from user view until Admin is called).
8. Quit the application or return to the home page.

Success:

- The user is able to navigate to the 'file a report' page from the 'home' page using the command line number argument and return key
- The fields of the report are able to be filled, or skipped without incident using the return key. If the user continually tries to skip required fields, or input incorrectly formatted answers, an error message should occur prompting the user to input the correct information
- At any point, if the user types 'cancel' and presses enter, the home page should reappear and information should not be saved
- After all input fields are filled, the submit option should be printed and described in text, and the command 'submit' should be able to be executed, and simultaneously save all information, the newly generated re-access ID, and print the re-access ID along with instructions for the command to return to the 'home' page

3 - Cancel a Report

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Select either the "File a Report" or "Re-Access a Report" options from the home page.
    a. If "Re-Access a Report" is selected, enter a valid Report ID into the entry prompt.
4. Verify that either of the "File a Report" or "Re-Access a Report" pages opens and displays the correct information as detailed in the Business Requirements Document.
5. Enter some information into any of the provided fields on the "File a Report" or "Re-Access a Report" pages.
6. User types "Cancel" and presses ENTER to return to the home page.
7. Verify that the home page displays the various options a user can select without errors.
8. Select the "Re-Access a Report" option from the home page.
9. Enter the Report ID of the last manipulated report into the entry prompt.
10. Verify that the "Re-Access a Report" page opens and displays the correct information for that report WITHOUT the previous changes.
11. User types "Cancel" and presses ENTER to return to the home page.or quits the application.

Success:

- The home page loads without errors
- The "File a Report" and "Re-Access a Report" options work and load their respective pages without errors
- The "File a Report" and "Re-Access a Report" pages allow for repetitive entries into any of their entry prompt options without errors
- The "Cancel" option returns the application back to the home page without errors
- The Report is Re-Accessed without errors and the information the User entered before pressing "Cancel" is not saved
- User can quit or return to the home page without any errors

4 - View Current Statistics

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Select the Campus Statistics option.
4. The SRAS application loads and displays the Campus Statistics page for crime and sexual assault on campus.

5. Verify that the Campus Statistics page is displaying default information for the three required criteria as described in the Business Requirements Document.
6. Quit the application or return to the home page.

Success:

- The SRAS application opens without errors.
- The Campus Statistics page opens without errors from the option on the homepage of the application.
- The information displayed on the Campus Statistics page is up-to-date and accurate with SRAS' database.
- User can quit or return to the home page without any errors

5 - View Filtered Statistics

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Select the Campus Statistics option.
4. Verify that the Campus Statistics page displays a default campus statistic for crime and sexual assault on campus.
5. Select the Filter Statistics feature within the Campus Statistic page.
6. Select desired search criteria (i.e. dates, class, identity, etc) to filter search.
7. Verify that the page now displays data according to the filtered search.
8. Quit the application or return to the home page.

Success:

- The Filtered Statistics feature works without errors after the user decides to use it
- User can apply multiple filters to their search
- Page displays data according to the filtered search
- User can quit or return to the home page without any errors

6 - View Additional Resources

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Select the Additional Resources option.
4. Verify that the Additional Resources page displays additional resources such as Campus Safety, the Title IV Office, and the Counseling Center.

5. Quit the application or return to the home page.

- Additional Resources are displayed without any errors
- User can read the various descriptions for each resource
- User can quit or return to the home page without any errors

7 - View About

Process:

1. Load the SRAS application using the process in the user documentation
2. Verify that a menu of options for the user is displayed
3. Select the About option from the menu
4. Verify that plaintext regarding the purpose and information about File A Report, Re-Access A Report, and View Statistics is displayed
5. Quit the application

Success:

- Application opens without errors using the SRAS startup procedures
- A menu of options displays after step 1
- The user can select About option
- Plaintext regarding the purpose and information of the application displays after step 3
- Application exits without errors

8 - Re-access Report

Process:

1. Load the SRAS application using the process in the user documentation
2. Verify that a menu of options for the user is displayed
3. Select the Re-Access A Report option from the menu
4. Verify that a message is displayed, asking the user to enter report ID
5. Enter report ID
6. Verify that the report ID, date, graduating class information, and a menu of options is displayed
7. Select the graduating class option
8. Verify that the information on record for graduating class is displayed and accurate
9. Verify that a message is displayed, asking the user to edit information
10. Enter a different graduating class
11. Step 6
12. Select Submit
13. Verify that a message is displayed, indicating that the answer is saved
14. Verify that the home page is displayed

15. Quit the application

Success:

- Application opens without errors using the SRAS startup procedures
- A menu of options displays after step 1
- The user can select Re-Access A Report option
- A message asking for user to enter report ID displays after step 3
- The user can enter report ID after step 3
- The information and menu of option of the report of interest display after step 5
- A message asking the user to select an option displays after step 5
- The user can select the graduating class option
- The information displays about the graduating class is expected after step 7
- A message asking user to edit displays after step 7
- A message verifying that the new answer is saved displays after step 10
- The main page for file a report page displays again after step 10
- The user can return to home page after step 13
- Application exits without errors

9 - Admin Access

Process:

1. Load the SRAS application using the process in the user documentation on their computer.
2. Verify that the home page displays the various options a user can select.
3. Input 'Admin information' and press enter.
4. After the page of information appears, input 'cancel' into the command line and press the 'return' key to return to the home page.
5. Quit the application.

Success:

- The information of all reports from the CSV tracking information appears when 'Admin Information' is executed
- User is returned to the home page when they execute 'cancel'