

Team Admin

Student Reports and Statistics

(SRAS)

Test Plan

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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.
03/12/2023	Mai Nguyen	Updated File a Report, Cancel a Report, and Access Report, crossed out Admin Access
03/12/2023	Judy Gonzalez	Updated Current Statistics, Additional Resources, and About, crossed out Viewed Filtered Statistics

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, E.2, 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	Feature was not implemented	E.1, E.4
6	View Additional Resources		C.2
7	View About		C.3
8	Access Report	Previously named "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	Feature was not implemented	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 required fields, the command line will continue waiting for user input in order to move on.
 - 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).
5. Once all fields are filled out or seen (i.e. graduating class, date to the month, and mental health impact 1-10 are the only fields that *must* be filled), press return. Verify that a message indicating that the report is successfully submitted appears.
6. Once the report is submitted, verify that a Report ID is generated and appears, this ID is for the user to re-access and edit their report.
7. Verify that the home page appears again and select Quit to quit the application.

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 input incorrectly formatted answers, an error message should occur prompting the user to input the correct information
- If at any point the user types 'cancel' and presses enter, the home page should reappear and their information should not be saved
- After all input fields are filled out or seen and the user presses one last return, it simultaneously saves all their information, generates and displays their re-access ID, and displays the home page again

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 "Access Report" options from the home page.
 - a. If "Access Report" is selected, enter a valid Report ID into the entry prompt.
4. Verify that either of the "File a Report" or "Access 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 "Access 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 "Access Report" option from the home page.
9. Enter the Report ID of the last manipulated report into the entry prompt.
10. Verify that the "Access Report" page opens and displays the correct information for that report WITHOUT the previous changes or that the report ID is not valid if "cancel" is entered during "File a Report".
11. The user is returned to the home page and selects Quit to quit the application.

Success:

- The home page loads without errors
- The "File a Report" and "Access Report" options work and load their respective pages without errors
- The "File a Report" and "Access 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 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 campus statistics (i.e. total number of reports, total number of reports starting from 2020, total number of reports with a mental health impact greater than five, and total number of reports where identity was a factor).
6. Verify that a user has the option to filter through the statistics.
7. Type in 'no' to avoid filtering through the statistics.
8. Automatically return to the home page after typing 'no'.
9. Select another option in the home page or quit the program.

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
- The 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. 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 campus statistics (i.e. total number of reports, total number of reports starting from 2020, total number of reports with a mental health impact greater than five, and total number of reports where identity was a factor).~~
- ~~6. Verify that a user has the option to filter through statistics by date, location, and/or graduation class.~~
- ~~7. Type in 'yes' to start filtering through statistics.~~
- ~~8. Type in desired filter criteria.~~
- ~~9. Verify that filtered data is displayed.~~
- ~~10. Type in 'yes' to filter through statistics again or type in 'no' to return back to the home page.~~
- ~~11. Once back in the home page, select another option in the home page or quit the program.~~

Success:

- ~~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~~
- ~~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. Automatically return to the home page and either select another option or quit the program altogether.

Success:

- Additional Resources are displayed without any errors
- User can read the various descriptions for each resource
- Additional Resources exits without errors

7 - View About

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 About option.
4. Verify that the plaintext regarding how to navigate our platform is displayed.
5. Automatically return to the home page and either select another option or quit the program altogether.

Success:

- Application opens without errors using the SRAS startup procedures
- A menu of options displays after step 1
- The user can select the About option

- Plaintext regarding how to navigate out platform displays after step 3
- About exits without errors

8 - 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 Access 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 and a menu of options is displayed
7. Verify that information displayed next to each field is accurate according to what was filled out previously in File a Report or edited on Access Report.
8. Verify that a message is displayed, asking the user to edit information
9. Select any field to edit information, press enter
10. Step 6 (the edited information is NOT updated until the user selects 'Done')
11. Select Done to submit the changes and save it
12. Verify that a message is displayed, indicating that the answer is saved
13. Verify that the home page is displayed
14. Repeat steps 3-6 again
15. Verify that the previously edited information is now displayed next to the edited field
16. Select Done to return to home page without editing
17. Verify home page is displayed and select quit to quit application

Success:

- Application opens without errors using the SRAS startup procedures
- A menu of options displays after step 1
- The user can select 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 menu of option of the report of interest display after step 5
- The information displayed for each field is expected after step 5
- A message asking the user to select an option to edit displays after step 5
- User is able to edit selected field
- User can continue to edit report until they select Done
- The changes will only be save when user selects Done
- A message verifying that the changes to the report is saved displays after step 11
- The main page displays again after step 11
- The user can access the report again to verify that the changes they made previously is now displayed after step 14
- 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'