

Team Admin

Student Reports and Statistics

(SRAS)

Test Plan

Prepared by:
Mai Nguyen
Whitner Reichman
Judy Gonzalez

Release Date
March 15, 2023

Executive Summary	2
Document Version History	3
Project Description	4
User Acceptance Testing Matrix	5
Feature Matrix	5
Test Steps	5
1 - SRAS startup	5
Process:	5
Success:	6
2 - File a Report	6
Process:	6
Success:	6
3 - Cancel	6
Process:	6
Success:	7
4 - View Current Statistics	7
Process:	7
Success:	8
5 - View Filtered Statistics	8
Process:	8
Success:	8
6 - View Additional Resources	9
Process:	9
Success:	9
7 - View About	9
Process:	9
Success:	9
8 - Access Report	9
Process:	9
Success:	10
9 - Admin Access	10
Process:	10
Success:	11
10 - Delete Report	11
Process:	11
Success:	11

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
03/14/2023	Judy Gonzalez	Initial text and rough draft started. Updated View Current Statistics, View Filtered Statistics, View Additional Resources, and View About.
03/14/2023	Mai Nguyen	Updated SRAS Startup, File a Report, Cancel, Access report. Added Delete Report.
03/15/2023	Whitner Reichman	Updated Admin Access

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, E.4, E.5
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		D.2, D.4
4	View Current Statistics		T.1, T.2, D.1, D.8
5	View Filtered Statistics		T.2, E.1, E.4, D.8
6	View Additional Resources		C.2
7	View About		C.3
8	Access Report		T.2, 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		T.2, D.11
10	Delete Report		D.2, T.2

Test Steps

1 - SRAS startup

Process:

1. Load the SRAS application using the process in the user documentation.
2. The GUI window is displayed.

3. The 'home' page is displayed and a menu of interactive options is displayed.
4. Exit GUI window without errors.

Success:

- The program executes and a GUI window is displayed, allowing the user to interact with its contents

2 - File a Report

Process:

1. Load the SRAS application using the process in the user documentation.
2. Verify that the home page displays the various options a user can select.
3. Select the 'file a report' option from the 'home' page where all options are displayed.
4. Once the 'file a report' page comes up, enter the information prompted.
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 access and edit their report.
7. Select option to return to home page
8. Exit application window

Success:

- The user is able to navigate to the 'file a report' page from the home page by being able to directly select the option interactively
- The fields of the report are able to be filled or skipped without incident.
- If at any point the user selects 'cancel', the home page should reappear and the report information should not be saved
- After all input fields are filled out or seen and the user selects submit report, it simultaneously saves all their information, generates and displays their report ID
- Once the report is submitted and the report ID is generated, user can return to home page by selecting the return home option
- Exit application window without errors

3 - Cancel

Process:

1. Load the SRAS application using the process in the user documentation.
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” User type select “cancel” to return to the home page.
6. Verify that the home page displays the various options a user can select without errors.
7. Select the “Access Report” option from the home page.
8. Enter the Report ID of the last manipulated report into the entry prompt.
9. 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”.
10. The user can return to home page by selecting the return home option
11. Exit application window

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 return to the home page without any errors
- Exit application window without 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 GUI window is displayed.
3. Verify that the SRAS home page is displayed in the GUI window.
4. Verify that a user can select one of many options on the home page.
5. Select the ‘Campus Statistics’ option.
6. Verify that the ‘Campus Statistics’ page displays 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, total number of reports where identity was a factor, and the mental health average).
7. Verify that a user has the option to filter through our statistics.
8. User clicks the back button to return to the home page or clicks the exit button to quit our program.

Success:

- The SRAS home page displays without errors
- The Campus Statistics page opens without errors after clicking its button on the home page
- 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 GUI window is displayed.
3. Verify that the SRAS home page is displayed in the GUI window.
4. Verify that a user can select one of many options on the home page.
5. Select the 'Campus Statistics' option.
6. 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, total number of reports where identity was a factor, and the mental health average).
7. Verify that a user has the option to filter through our statistics.
8. User selects what they would like to filter by.
9. Verify that the filtered data is displayed.
10. User can filter again with a different filter criteria.
11. When a user has finished filtering through our statistics, they can either click the back button to return to the home page or click the exit button to quit our program.

Success:

- The SRAS home page displays without errors
- The 'Campus Statistics' page opens without errors after clicking its button on the home page
- 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 GUI window is displayed.
3. Verify that the SRAS home page is displayed in the GUI window.
4. Verify that a user can select one of many options on the home page.
5. Select the 'Additional Resources' option.
6. Verify that the Additional Resources page displays additional resources such as Campus Safety, the Title IV Office, and the Counseling Center.
7. User clicks the back button to return to the home page or clicks the exit button to quit our program.

Success:

- The SRAS home page displays without errors
- The 'Additional Resources' page opens without errors after clicking its button on 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 on their computer.
2. Verify that the GUI window is displayed.
3. Verify that the SRAS home page is displayed in the GUI window.
4. Verify that a user can select one of many options on the home page.
5. Select the 'About' option.
6. Verify that the plaintext regarding why our platform, our goals, our data usage, and the founders and our current team is displayed.
7. User clicks the back button to return to the home page or clicks the exit button to quit our program.

Success:

- The SRAS home page displays without errors
- The 'About' page opens without errors after clicking its button on the home page
- Plaintext regarding our platform displays after step 5
- User can quit or return to the home page without any 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 menu of options is displayed, one being user and another being admin
5. Select user
6. Verify that a message prompts the user to enter report id and enter report ID
7. Verify that the report ID is displayed at the top
8. 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.
9. Verify that user is able to select the information in each field
10. Edit any field (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 3-7 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 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 6
- The user can enter report ID after step 6
- The report of interest and the information filled out by the user previously are displayed after step 8
- The information displayed for each field is expected after step 8
- User is able to edit any selected field by selecting the information filled out by the user previously
- User can continue to edit report until they select Done
- The changes will only be saved 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 are 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. Navigate to 'Access Report'.
3. Enter a special Admin Password in the 'User ID' field and press enter.
4. View information.
5. Press the back button, or quit button.

Success:

- The information of all reports from the CSV tracking information appears when Admin Password is entered into the User ID field.
- User is returned to the home page when they press 'back', or when they press 'cancel'.

10 - Delete Report

Process:

1. Load the SRAS application using the process in the user documentation
2. Verify that the home page displays the various options a user can select.
3. Select 'Access Report'
4. Verify that a menu of options is displayed, one being user and another being admin
5. Select user
6. Verify that a message prompts the user to enter report id and enter report ID
7. Verify that the report ID is displayed at the top
8. Select 'delete report'
9. Verify that a confirmation message is displayed
10. Select 'ok' and verify that user is taken automatically back to home page
11. Repeat steps 3 to 6
12. Verify that a message is displayed to indicate that report id does not exist

Success:

- Application opens without errors using the SRAS startup procedures
- A menu of options displays
- The user can select Access a Report option
- A message asking for user to enter report ID displays
- The user can enter report ID
- The user can access the existing report and select delete option
- The user is provided confirmation message to delete report
- The system deletes report from database without errors
- The user is automatically returned home

- The report associated with the report ID no longer exists, all its information is deleted from data base
- Application exits without errors.