

Team Admin

# **Student Reports and Statistics**

## **(SRAS)**

Test Plan

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Release Date  
March 21, 2023

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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
03/14/2023	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
03/20/2023	Mai Nguyen	Updated File a Report, Cancel, Access Report, and Delete Report.
03/21/2023	Mai Nguyen	Updated View Current Statistics and View Filtered Statistics. Removed Admin Access.
03/21/2023	Whitner Reichman	Small Typos.

# 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	<del>Admin Access</del>	Did not implement due to time constraint	<del>T.2, D.14</del>
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 of incident, and mental health impact 1-10 are the only fields that *must* be filled), select submit.
6. Verify that a message indicating that the report is successfully submitted appears.
7. Verify that a Report ID is generated and appears, this ID is for the user to access and edit their report.
8. Select back to return to home page
9. 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 'back', 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 back 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. User selects 'back' to return to the home page.
6. Verify that the home page displays the various options a user can select without errors.
7. If the user selects 'back' while editing an existing report, 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.
10. The user can return to home page by selecting the 'back' 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 'back' 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 'back' 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, average mental health impact, and top 3 location).
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.
7. Verify that a user has the option to filter through our statistics by being able to enter information in filter fields.
8. User enters 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 on campus and off campus additional resources options
7. Select on campus resources option, and verify that resources such as Campus Safety, the Title IV Office, and the Counseling Center are there and selectable;
8. Select back, verify that user is returned to additional resources page
9. Select off campus additional resources and verify that relevant information is displayed
10. User clicks the back button to return to the additional resources page and select back again to return home, 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 buttons for why our platform, our goals, our data usage, and the founders and our current team are displayed and selectable.
7. Select each button to view relevant information, and select back to return to About Page
8. Once done viewing all displayed information, select back to return to or click 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
- Buttons regarding our platform displays and are selectable
- Each button displayed its information content
- 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 message prompts the user to enter report id and enter report ID
5. 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.
6. Verify that user is able to select the information in each field
7. Edit any field (the edited information is NOT updated until the user selects 'Update')
8. Select 'Update' to submit the changes and save it
9. Verify that a message is displayed, indicating that the answer is saved
10. Verify that the home page is displayed
11. Repeat steps 3-7 again
12. Verify that the previously edited information is now displayed next to the edited field
13. Select 'back' to return to home page without editing
14. Verify home page is displayed and quit application

### 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 report of interest and the information filled out by the user previously are displayed
- The information displayed for each field is expected
- 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 Update
- The changes will only be saved when user selects Update
- A message verifying that the changes to the report is saved displays
- The user can access the report again to verify that the changes they made previously are now displayed after
- 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 Report 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'.~~

## 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 message prompts the user to enter report id and enter report ID
5. Enter an existing report ID
6. Verify the report information is expected
7. Select 'delete report'
8. Verify that a confirmation message is displayed
9. Select 'back' to return to home page
10. Repeat steps 3 to 5, entering the same report ID as previously
11. 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 system deletes report from database without errors
- A message to verify that the report has been deleted is displayed
- The user is returned home after selecting 'back'
- The report information associated with the report ID no longer exists, all information is deleted from database
- Application exits without errors.