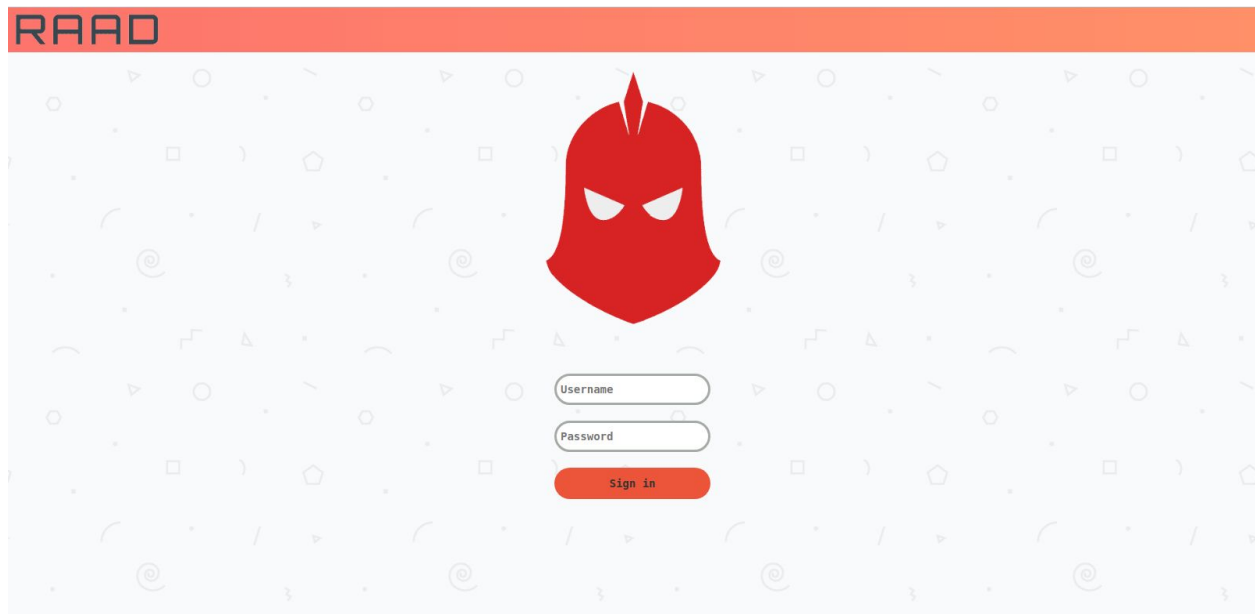
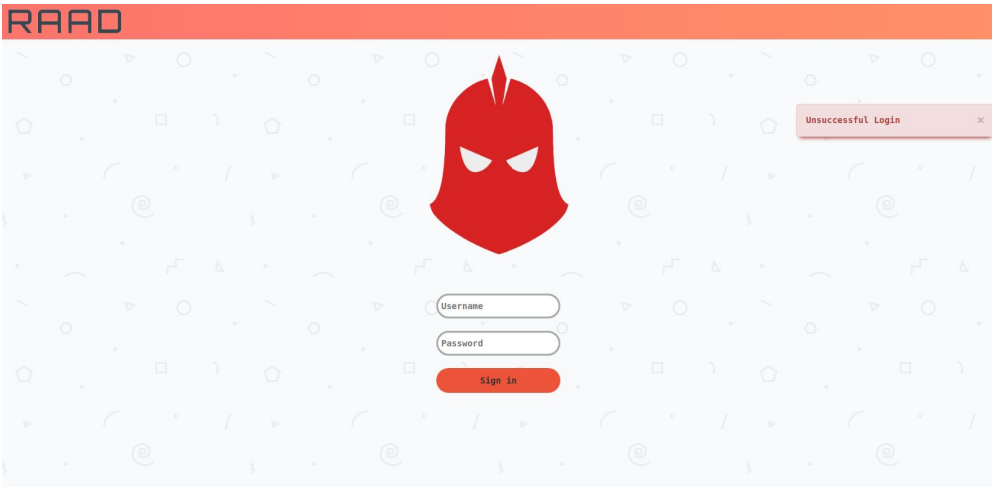


Use Case 1: Sign In



Goal in context	Allow the user to log in
Preconditions	The accessor must have an account
Trigger	Press the Sign In button
Scenario	<ol style="list-style-type: none">1. Type username in the username input field2. Type password in the password input field3. Press the Sign in button
Exceptions	<ul style="list-style-type: none">- At first, the username and password are "root"- Failed to sign in  A screenshot of the RAAD login page showing an unsuccessful login. The layout is identical to the previous screenshot, but with an additional red notification box in the top right corner that says "Unsuccessful Login" with a close button (X). The "Sign in" button is now disabled and grayed out.



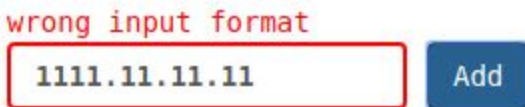
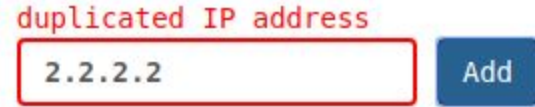
Use Case 2: Show Blacklisted IP Addresses



Goal in context	View a list of blacklisted IP addresses
Preconditions	The accessor must have been logged in
Trigger	Press the Blacklist menu
Scenario	<div>1. Press the Blacklist menu</div> <div>2. Show a list of blacklisted IP addresses on the Blacklist IP Tables section</div>
Exceptions	<div>- No IP address</div> <div><div>Blacklist IP Tables</div><div></div></div> <div>- Overflow</div> <div><div>Blacklist IP Tables</div><div><div>1.1.1.1</div><div>Remove</div></div><div><div>2.1.1.1</div><div>Remove</div></div><div><div>3.1.1.1</div><div>Remove</div></div><div><div>4.1.1.1</div><div>Remove</div></div></div>

Use Case 3: Add Newly Blacklisted IP Address

Add Blacklist IP Address

Goal in context	Add newly blacklisted IP address
Preconditions	The accessor must have been logged in
Trigger	Press the Add button
Scenario	<ol style="list-style-type: none">Before add blacklist IP address Type IP address that the user is going to ban--i.e., 1.1.1.1Press the Add button
Exceptions	<ul style="list-style-type: none">The admin typed wrong input format The admin typed the same IP address that is already in IP tables 

Use Case 4: Remove Blacklisted IP Address

Blacklist IP Tables


1.1.1.1


Remove

Goal in context	Remove blacklisted IP address
Preconditions	The accessor must have been logged in
Trigger	Press the Remove button
Scenario	1. Press the Remove button of the certain blacklisted IP address that the user wants to remove
Exceptions	<div>- No IP address</div> <div><div>Blacklist IP Tables</div><div></div></div>

Use Case 5: Show Thresholds

RAAD

 Blacklist

 Threshold

 Password

 Sign out

Threshold Configuration

Max Retry:


Find Time(minute):


Ban Time(second):


Goal in context	Show the thresholds
Preconditions	The accessor must have been logged in
Trigger	Press the Threshold menu
Scenario	<ol style="list-style-type: none">1. Press the Threshold menu2. Show the thresholds
Exceptions	<ul style="list-style-type: none">- Default values:<ul style="list-style-type: none">- Max retry: 3- Find time: 30- Ban time: 3600


Use Case 6: Change Thresholds

RAAD

 Blacklist

 Threshold

 Password

 Sign out

Threshold Configuration

Max Retry:

Find Time(minute):

Ban Time(second):

Successfully Changed X

Goal in context	Change thresholds
Preconditions	The accessor must have been logged in
Trigger	Press the Submit button
Scenario	<ol style="list-style-type: none">1. Change the values only in non-zero positive integers2. Press the Submit button
Exceptions	<div><div>- The user typed either negative integer or floating number</div><div><div><u>Threshold Configuration</u></div><div>Max Retry: <input type="text" value="-1"/></div><div>Find Time(minute): <input type="text" value="2.2"/></div><div>Ban Time(second): <input type="text" value="2.0"/></div><div><input type="button" value="Submit"/></div></div></div>

Use Case 7: Change Password

The screenshot shows the RAAD application interface. On the left is a sidebar with four items: 'Blacklist' (with a ban icon), 'Threshold' (with a gear icon), 'Password' (with a key icon), and 'Sign out' (with a door icon). The main content area is titled 'Password Change'. It contains two input fields: 'New Password:' and 'Confirm New Password:'. A blue 'Submit' button is at the bottom left. A light blue notification box in the top right corner displays the message 'Successfully Changed' with a close button (X).

Goal in context	Change password
Preconditions	The accessor must have been logged in
Trigger	Press the Submit button
Scenario	<ol style="list-style-type: none">1. Type a new password2. Type a new password once again3. Press the submit button
Exceptions	<ul style="list-style-type: none">- The user hasn't typed the same new password in confirmation section <p>This screenshot shows the 'Password Change' form with a red border around the 'Confirm New Password' input field, indicating a validation error. The 'New Password' field also has a red border. The 'Submit' button is visible at the bottom.</p>