

Alpha-V Alerts

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Site Aspect Login Test ID:1

Test Case ID 1.1: Login

Objective: The user should be able to login with the proper username and password.

Testing Approach: Black-box

Preconditions: A user must exist with systems associated with.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|-------------------------------|--------------------------------------|--|
| 1. | User logs in to their account | String username; String password; | Server fetches all information for that User. Bringing them to the site. |

Test Case ID 1.2: Invalid Login

Objective: If the user enters in a username and password that is not associated with a real account, they cant sign in.

Testing Approach: Black-box

Preconditions: A user must exist with systems associated with.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|--------------------------------------|--|
| 1. | User attempts to login without a proper username and password | String username; String password; | Alert displays informing the user that their account information is invalid. |

Test Case ID 1.3: Logout

Objective: The user should be able to logout by clicking the logout button and no longer be able to sign in without using the proper username and password.

Testing Approach: Black-box

Preconditions: A user must exist with systems associated with.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|-------------------------------|--------------------------------------|---|
| 1. | User logs in to their account | String username; String password; | Server fetches all information for that User. Bringing them to the site. |
| 2. | User Clicks Logout Button | | User is no longer able to sign in without entering username and password. |

Site Aspect View Systems Test ID: 2

Test Case ID 2.1: View Systems

Objective: Demonstrate the ability for the user to be shown their system's based on their username. Each user will have a set of systems associated with their account.

Testing Approach: Black-box

Preconditions: A user must exist with systems associated with-.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|--------------------------------------|--------------------------------------|--|
| 1. | User Logins to their Account | String username; String password; | Server fetches all information for that User. Brings them to the site |
| 2. | User clicks on system drop down box. | String SystemNames; | From the main User Interface screen the user will be presented with all of the Systems that exist with their username. |

Site Aspect View Alerts Test ID: 3

Test Case ID 3.1: View Alerts

Objective: Demonstrate the ability for the user to select a system and successfully be shown that system's alerts.

Testing Approach: Black-box

Preconditions: A user must exist and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|--|--------------------|--|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | Server displays all triggered and idle alert information in the User Interface. | | From the main User Interface screen the user will be presented with all of the Alerts of their system. |
| 3. | We can assure the alerts are listed properly by what is shown in Delete Alert dropdown, as that is the most accurate list of the Alerts for each system. | | User sees all the alerts listed in the delete drop-down listed in the Alerts Display. |

Test Case ID 3.2: Multiple Alerts Of The Same Type

Objective: Demonstrate the ability for the user to select a system and successfully be shown that system's alerts even if there are multiple alerts with the same field.

Testing Approach: Black-box

Preconditions: A user must exist and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|--------------------|--|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | Server displays all triggered and idle alert information in the User Interface. | | From the main User Interface screen the user will be presented with all of the Alerts of their system. |
| 3. | The server will display all alerts, even if there are multiple alerts with the same field | | All alerts are properly displayed no matter how many measure same thing. |

Site Aspect Create Alert Test ID: 4

Test Case ID 4.1:Create Alert

Objective: Demonstrate the ability for the user to create a new alert.

Testing Approach: Black-box

Preconditions: A user must exist with associated systems, and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|---|--|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | User clicks on Create Alert button | | UI displays a form to be filled out by the user. |
| 3. | User fills in the expect alert fields, and submits. | String alertName; Float threshold; Field field; | The UI retrieves the new list of alerts for that system and displays their alert as either triggered or idle based on the threshold and system status. |
| 4. | User chooses a different system. | String Systemname; | This different system should not display the newly created alert. |

Test Case ID 4.2: Create Alert Same Name Forbidden

Objective: If the user tries to create an alert with the name of an already existing alert it will be forbidden.

Testing Approach: Black-box

Preconditions: A user must exist with associated systems, and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|---|--|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | User clicks on Create Alert button | | UI displays a form to be filled out by the user. |
| 3. | User fills in the expect alert fields, with a name equal to a pre-existing alert. | String alertName; Float threshold; Field field; | The user is informed that they will have to choose a different alert name. |
| 4. | User chooses a different name, and enters it | String newAlertName; | The user successfully creates a new alert. |
| 5. | User chooses a different system. | String Systemname; | This different system should not display the newly created alert. |

Site Aspect Delete Alert Test ID: 5

Test Case ID 5.1: Delete Alert

Objective: Demonstrate the ability for the user to delete an alert from their system.

Testing Approach: Black-box

Preconditions: A user must exist with associated systems, and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|--------------------|---|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | User clicks on Delete Alert button | | UI displays a drop down box filled with all existing alerts for that system |
| 3. | User selects the desired alert to remove, and clicks submit | String alertName; | The UI retrieves the new list of alerts with the deleted alert removed from it, and displays this new list. |

Site Aspect Modify Alert Test ID: 6

Test Case ID 6.1: Modify Alert

Objective: Demonstrate the ability for the user to modify an alert from their system.

Testing Approach: Black-box

Preconditions: A user must exist with associated systems, and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|---|---|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | User clicks on Modify Alert button | | UI displays a drop down box filled with all existing alerts for that system |
| 3. | User enters information and specifics of the alert that they want to replace. | String alertName, Float threshold, Field field; | User submits new information and saves it. |
| 3. | The alert is modified and shows the new data being monitored. | String alertName; | The UI retrieves the new list of alerts with the deleted alert removed from it, and displays this new list. |

Site Aspect View Statuses Test ID: 7

Test Case ID: 7.1

Description: View Statuses

Objective: Demonstrate the ability for the user to select a system and successfully be shown the statuses.

Testing Approach: Black-box

Preconditions: A user must exist and is logged in.

| Step Number | Test Case Steps | Test Data | Expected Result |
|-------------|---|--------------------|--|
| 1. | User selects a system | String Systemname; | Server fetches all information for that system. |
| 2. | Server displays all system information in the User Interface. | | From the main User Interface screen the user will be presented with all of the statuses of their system. |