

Test Log: Component Testing of AdminChat Module

Date: March 15, 2024

Test Case: Rendering of Child Components and Functionality

Test Description:

The objective of this test is to verify that the AdminChat module renders all essential child components correctly and exhibits expected functionality, including alert display, dragging functionality, and unmount behaviour.

Testing Methodology:

1. *Rendering of Child Components:*

- Render the AdminChat module.
- Verify that all essential child components are rendered:
 - Search component
 - Chats component
 - Alert component
 - ChatHeader component
 - MessageList component
 - InputArea component

2. *Alert Functionality Test:*

- Render the AdminChat module.
- Trigger the display of an alert message.
- Wait for 5 seconds to allow the alert to disappear automatically.
- Verify that the alert message disappears after the specified time.

3. *Dragging Functionality Test:*

- Render the AdminChat module.
- Simulate dragging the divider between panels.
- Verify that the width of the left panel changes accordingly.

4. *Behaviour Test:*

- Render the AdminChat module.
- Unmount the component.
- Verify that the RESET_CHAT action is removed.

Results:

- All essential child components are rendered successfully.
- The alert message is displayed and disappears after 5 seconds.
- The left panel width changes as expected when dragging the divider.
- The RESET_CHAT action is completed upon component removing.

Test Pass/Fail:

Component Tests: Pass

Database Authentication: Initially failed in the test suites but Passed (monitoring the console output, there were no error messages related to database authentication, the message showed Database Authentication Successful)

Conclusion:

The AdminChat module renders all essential child components correctly and exhibits expected functionality, including alert display, dragging functionality, and unmount behaviour, indicating that the component behaves as intended.