**Title: Process Student Leave Request**

As a hall administrator, I want to efficiently handle a student's leave request in the Hall Management System, ensuring a streamlined process for managing temporary absences and updating hall occupancy accordingly.

**Acceptance Criteria:**

Scenario: Accessing the system.

Given: I am logged into the Hall Management System.

When: I navigate to the "Process Student Leave" section.

Then: The system provides a user-friendly interface for selecting a student and managing leave requests.

Scenario: Selecting a student.

Given: I am on the "Process Student Leave" page.

When: I can search and select a student from the list.

Then: The system displays the student's current details, such as name, student ID, and any existing leave status.

Scenario: Requesting leave.

Given: A student is selected.

When: I choose to process a leave request.

Then: The system displays the student's leave history, if any, and allows me to initiate a new leave request.

Scenario: Entering leave details.

Given: Processing a new leave request.

When: I enter the leave start date, end date, reason, and any other required details.

Then: The system validates the entered information for accuracy and completeness.

Scenario: Verifying leave details.

Given: Leave details are entered.

When: I review the details before confirming.

Then: The system displays a summary of the leave request for verification.

Scenario: Approving or rejecting the leave request.

Given: The information is verified.

When: I choose to approve or reject the leave request.

Then: The system updates the student's record with the approved leave status and notifies the student via email or system notification.

Scenario: Handling errors.

Given: Incorrect or incomplete information is entered.

When: I attempt to submit the leave request form.

Then: The system provides clear error messages indicating the fields that need correction.

Scenario: Viewing leave history.

Given: The leave request is successfully processed.

When: I navigate to the student's profile or leave history page.

Then: The system displays the updated leave history, reflecting the approved or rejected leave requests.

**Success:**

Given: I am logged into the Hall Management System.

When: I navigate to the "Process Student Leave" section.

Then: The system provides a user-friendly interface for selecting a student and managing leave requests.

Given: I am on the "Process Student Leave" page.

When: I can search and select a student from the list.

Then: The system displays the student's current details, such as name, student ID, and any existing leave status.

Given: A student is selected.

When: I choose to process a leave request.

Then: The system displays the student's leave history, if any, and allows me to initiate a new leave request.

Given: Processing a new leave request.

When: I enter the leave start date, end date, reason, and any other required details.

Then: The system validates the entered information for accuracy and completeness.

Given: Leave details are entered.

When: I review the details before confirming.

Then: The system displays a summary of the leave request for verification.

Given: The information is verified.

When: I choose to approve or reject the leave request.

Then: The system updates the student's record with the approved leave status and notifies the student via email or system notification.

Given: The leave request is successfully processed.

When: I navigate to the student's profile or leave history page.

Then: The system displays the updated leave history, reflecting the approved or rejected leave requests.

Given: The process is completed successfully.

When: I check the hall occupancy or student list.

Then: The system reflects the approved leave status, updating the room availability accordingly.

**Failure:**

Given: I am logged into the Hall Management System.

When: I navigate to the "Process Student Leave" section.

Then: The system does not load the "Process Student Leave" page, displaying an error message or remaining unresponsive.

Given: I am on the "Process Student Leave" page.

When: I attempt to search and select a student, but the system fails to retrieve the student list.

Then: The system displays an error message indicating a failure in fetching the student information. The user is advised to try again later.

Given: A student is selected.

When: I choose to process a leave request.

Then: The system fails to display the student's leave history or initiate a new leave request.

Then: The system displays an error message, indicating a failure in processing the leave request. The user is advised to check the network connection or contact support.

Given: Processing a new leave request.

When: I enter the leave start date, end date, reason, and any other required details.

Then: The system encounters an error while validating the entered information.

Then: The system displays an error message, indicating a failure in validating the leave request details. The user is advised to check the entered information or contact support.

Given: Leave details are entered.

When: I review the details before confirming.

Then: The system freezes or encounters an error when attempting to display the summary.

Then: The user is unable to proceed, and the system advises a refresh or restart.

Given: The information is verified.

When: I choose to approve or reject the leave request.

Then: The system fails to update the student's record with the approved leave status or notify the student.

Then: The system displays an error message, indicating a failure in processing the leave request. The user is advised to check the network connection or contact support.

Given: The leave request is successfully processed.

When: I navigate to the student's profile or leave history page.

Then: The system does not reflect the updated leave history, indicating a failure in updating the records. The user may need to re-enter the information.