**Title: Student Info Management**

As a hall staff, I want to create, delete, and edit student information. So that I can efficiently manage student information in the hall.

**Acceptance Criteria:**

1. As a student, I want to access the hall management system to view all the information about my hall name, my hall room number, and roommates.
2. As an admin, I want to access the hall management system to view all the information about every information of students.
3. As a hall provost, I want to access the hall management system to view all the information about the payment and validity of their seat.
4. The system should provide real-time updates so that any users can see their stats immediately.
5. Creating, deleting, and updating operations should trigger notifications to relevant students and the hall provost.

**Success:**

* Upon successful creation change or deletion of a student, a confirmation message should be displayed, indicating the information is updated.
* Upon successful creation change or deletion of a student, a notification message will be sent to the student.

**Failure:**

* If there are issues during these operations, an error message should guide corrective actions.
* If any room is allocated which is not empty by mistake, an error message will pop up.
* If technical issues occur during the allocation process, the system should provide an error message.