

User stories that guided our implementation

1. Search for available rooms: A student should be able to search for rooms based on preferences like capacity, isFull.
2. View room details: A student should be able to see detailed information about each room e.g description to help them make a better informed decision.
3. Manage room Availability: An administrator should be able to create a new room, edit room details like isFull, the capacity etc and delete rooms if they are no longer available for accommodation.

Based on these user stories, our database as per now covers the following aspect:

- View room details for all rooms such as description, capacity etc.

For the database design, we decided to create:

1. Rooms table:
 - This table stores the room information like capacity, name, description and isFull data.
 - The id column serves as the primary key which is a unique identifier for each room.
 - Attributes such as description, name, capacity, isFull provides detailed information about each room, which fulfills user stories
 - The isFull attribute allows the administrator to manage rooms based on user stories.