

**Database Systems/Database Management Group 1**  
**Scenario Description + Enterprise Rules + Video Link**



**Department of Computer Science And Information Systems**

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## **Scenario Description**

Our team conducted multiple discussion sessions with students in Ashesi University and discovered a common problem that many of them face is gathering information and communicating with off-campus hostel companies; a usual occurrence would be a student having to physically go to a hostel to find the hostel managers to discuss about availability of rooms, pricing, and communication.

We concluded that we could centralize this information for both booking and searching with a structured database.

The organization(s) that this project primarily focused on was Ashesi University and the neighbouring off-campus residential spaces that were designed to accommodate students. The off-campus residential spaces/hostels have students going to Ashesi University as their primary market. The hostel companies provide living spaces that are provided during each semester of the academic year. Our database seeks to represent the relationships between students, the hostel organizations, pricing for the hostels, the different room types and their features, availability of rooms, and contact information for the managers of the hostels.

## **Enterprise Rules**

1. A hostel must be managed by a manager.
2. A hostel can only be managed by one manager.
3. A manager can manage multiple hostels.
4. A manager must manage at least one hostel.
5. A Room Type must belong to only one hostel.

6. A Room must belong to a hotel and a room type.
7. A hostel can have several room types.
8. A hostel must have at least one room type.
9. A room must be of one room type.
10. Several rooms can have the same room type.

**YouTube Video Link For Our Presentation** : <https://youtu.be/adLzTtcOs9M>