



**CSE3023**  
**WEB-BASED APPLICATION DEVELOPMENT**

---

**GROUP 3**

---

# ***UMT HOSTEL MANAGEMENT SYSTEM***

---



# ***KEY PEOPLE***



**TEAM MEMBER**

EVANGELINE CHIA  
KAR YI  
S63657



**TEAM LEADER**

WONG HONG HEI  
S63597



**TEAM MEMBER**

LAU YONG  
S63743

# ***PROJECT DESCRIPTION***

## **EXISTING SYSTEM**

UMT students complained that they are not satisfied with the hostel management system:

- Problems in between roommates.
- Hostel room types.
- Without accurate result makes students hard to decide whether to rent outside or continue to wait for the result.

## **OBJECTIVE**

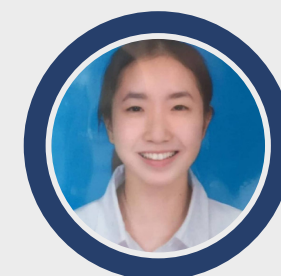
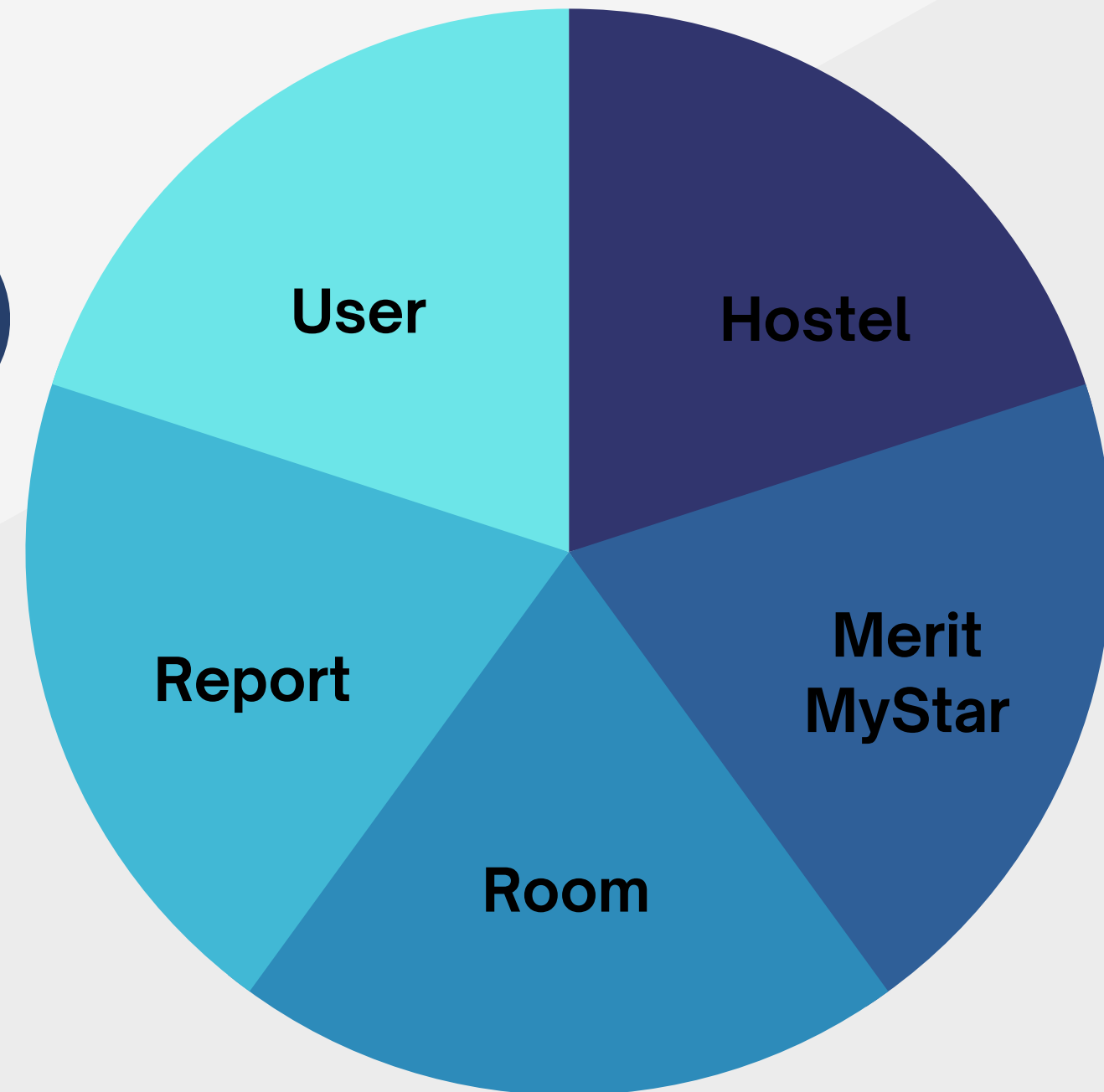
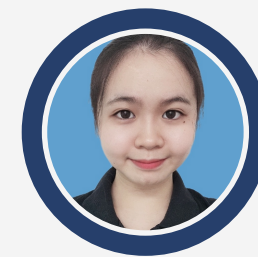
- To develop a well-coordinated and high-efficiency hostel management system.
- To satisfy user experience when using the system.

## **SCOPE**

- The system is used by Residential College of Universiti Malaysia Terengganu (UMT).
- The modules including manage user module, manage hostel module, manage room module, manage merit mystar module, and manage report module.

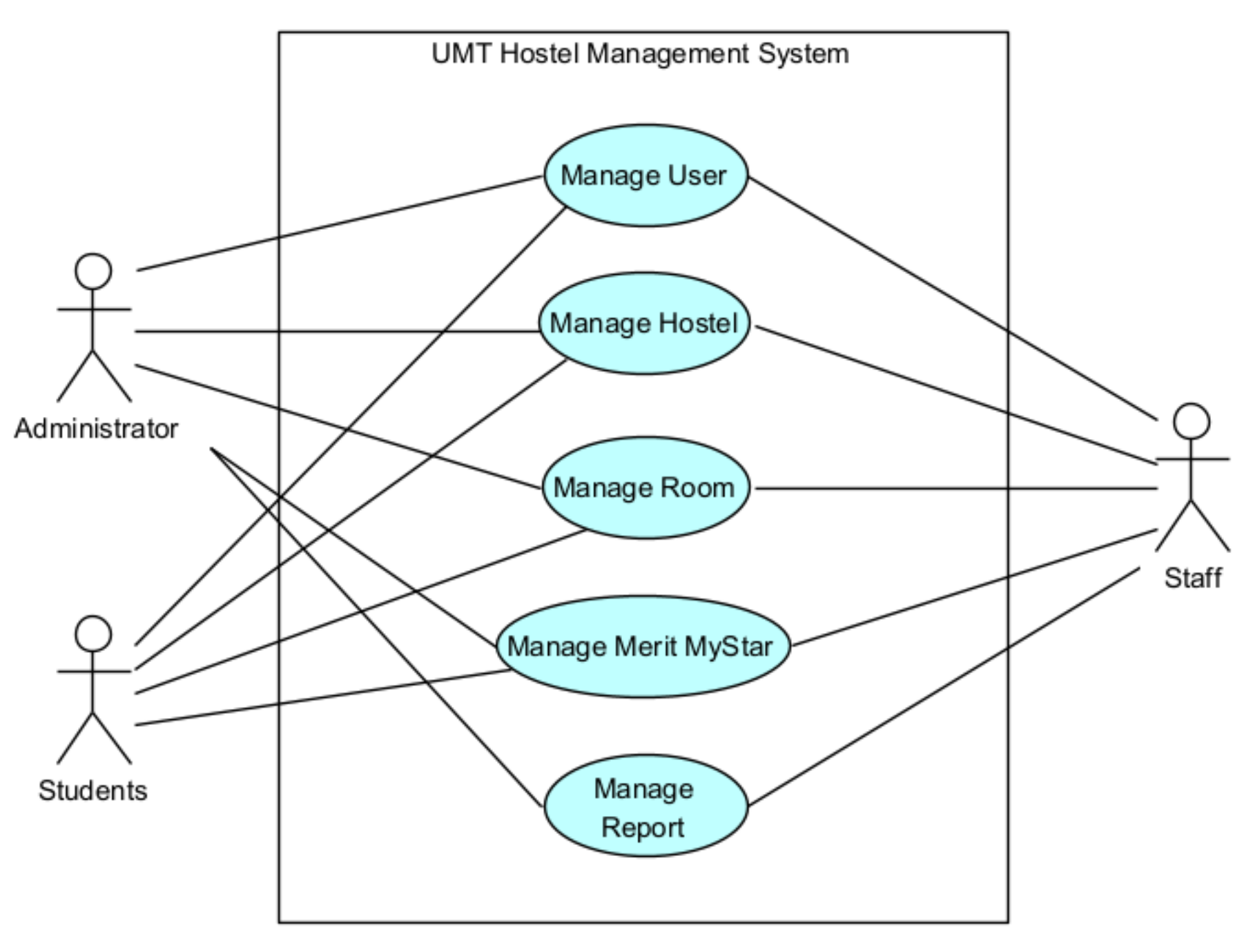


# ***MODULE ARRANGEMENT***



# DESIGN PROCESS

## USE CASE DIAGRAM



- There are 5 use cases in this system:
- Manage User
- Manage Hostel
- Manage Room
- Manage Merit MyStar
- Manage Report

	Administrator	Staff	Student
Manage User	C, R, U, D	U	U
Manage Hostel	C, R, U, D	R, U	C
Manage Room	C, R, U, D	R, U	C, R
Manage Merit MyStar	C, R, U, D	C, R, U, D	R
Manage Report	C, R, U, D	C, R, U, D	



# FUNCTIONAL REQUIREMENT

## MANAGE USER MODULE

**Admin**

- register and delete user accounts.
- track and update student's information and records.
- ability to re-login system.

**Staff**

- ability to log in, log out and re-login the system.

**Student**

- ability to update personal information.

## MANAGE HOSTEL MODULE

**Admin**

- create, retrieve, update and delete the hostel informations and records.

**Staff**

- update and retrieve the hostel informations and records.

**Student**

- apply for hostel.
- accept or reject hostel offer.

## MANAGE MERIT MYSTAR MODULE

**Student**

- check the merit MyStar

**Staff**

**Admin**

- create, update and delete the records of merit MyStar.

# FUNCTIONAL REQUIREMENT

## MANAGE ROOM MODULE

### Admin

- create, retrieve, update and delete the room informations and records.

### Student

- select room type and room number.
- view room application result.

### Staff

- update and retrieve the room informations and records.
- update and delete the generated result if needed.

### System

- send confirmation notices for each student's room application.
- provide hostel's information and update availability of rooms.
- generate the result for each room application with student details.

## MANAGE REPORT MODULE

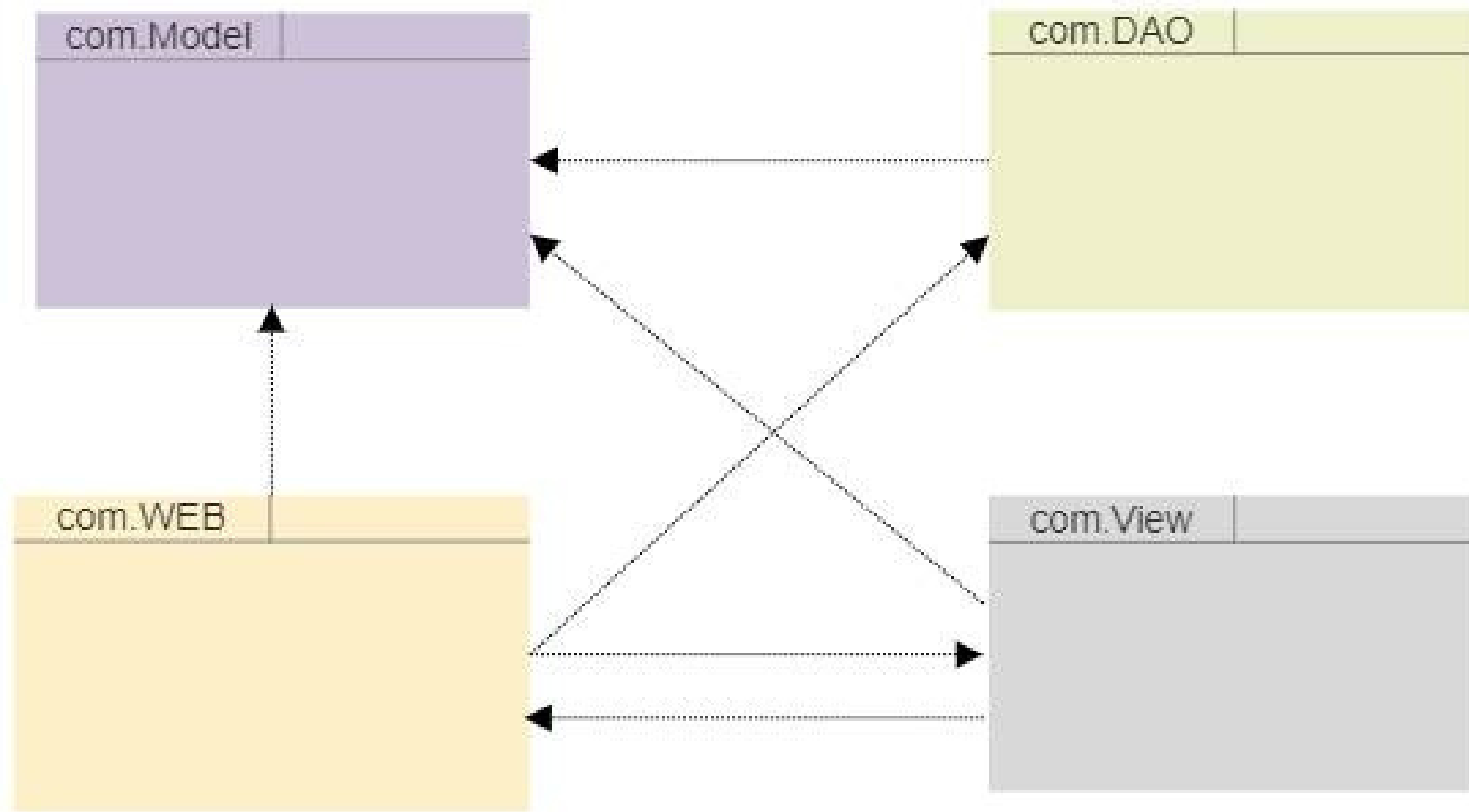
### Admin

- view reports of users, hostel, rooms, merit MyStar and application result.

### Staff

- create specific analytic report.
- update and delete from report if needed.

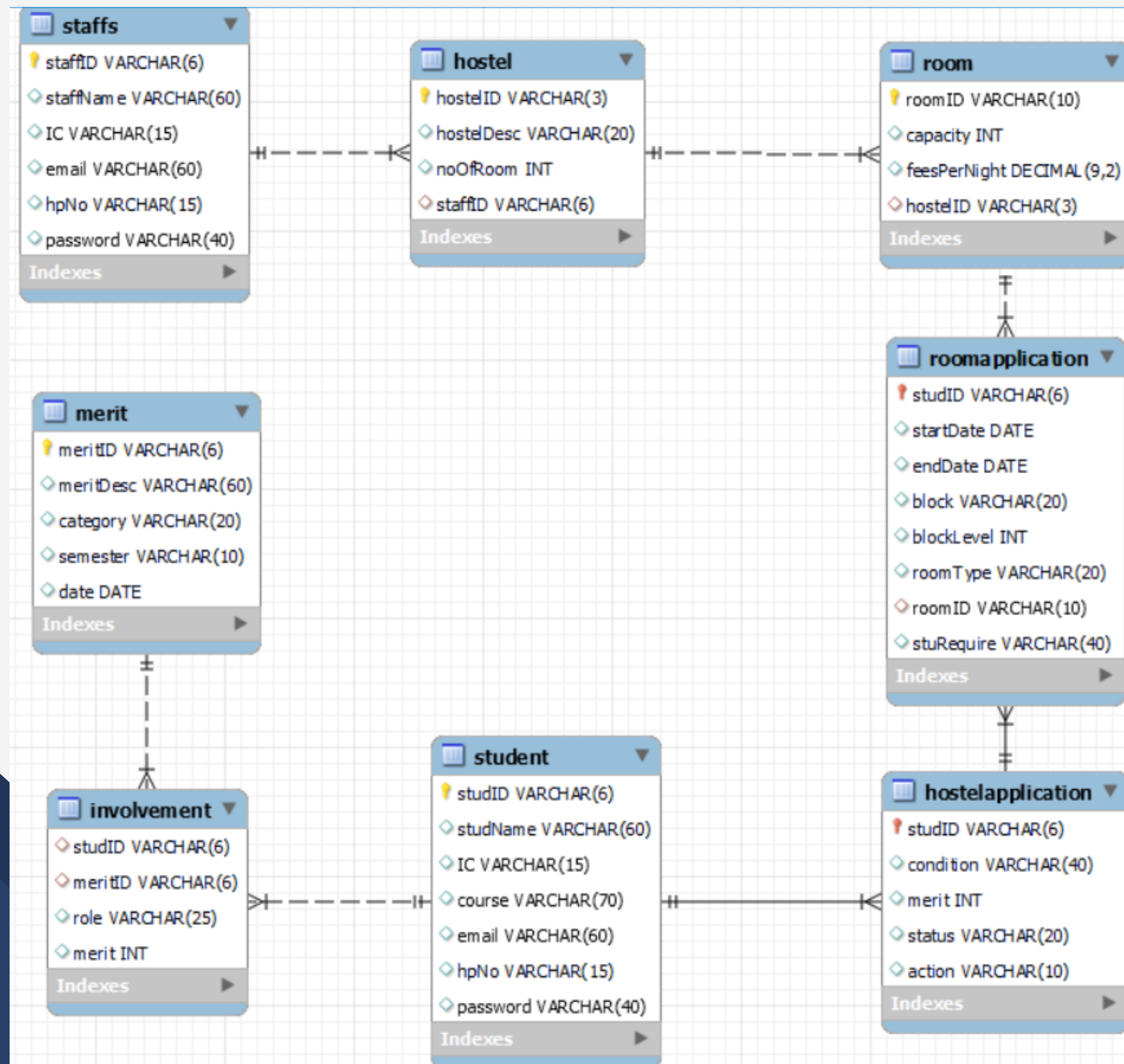
# CLASS DIAGRAM



The Model-View-Controller (MVC) is an architectural pattern that separates an application into three main logical components: the model, the view, and the controller. Each of these components are built to handle specific development aspects of an application.



# ENTITY RELATIONSHIP DIAGRAM (ERD)



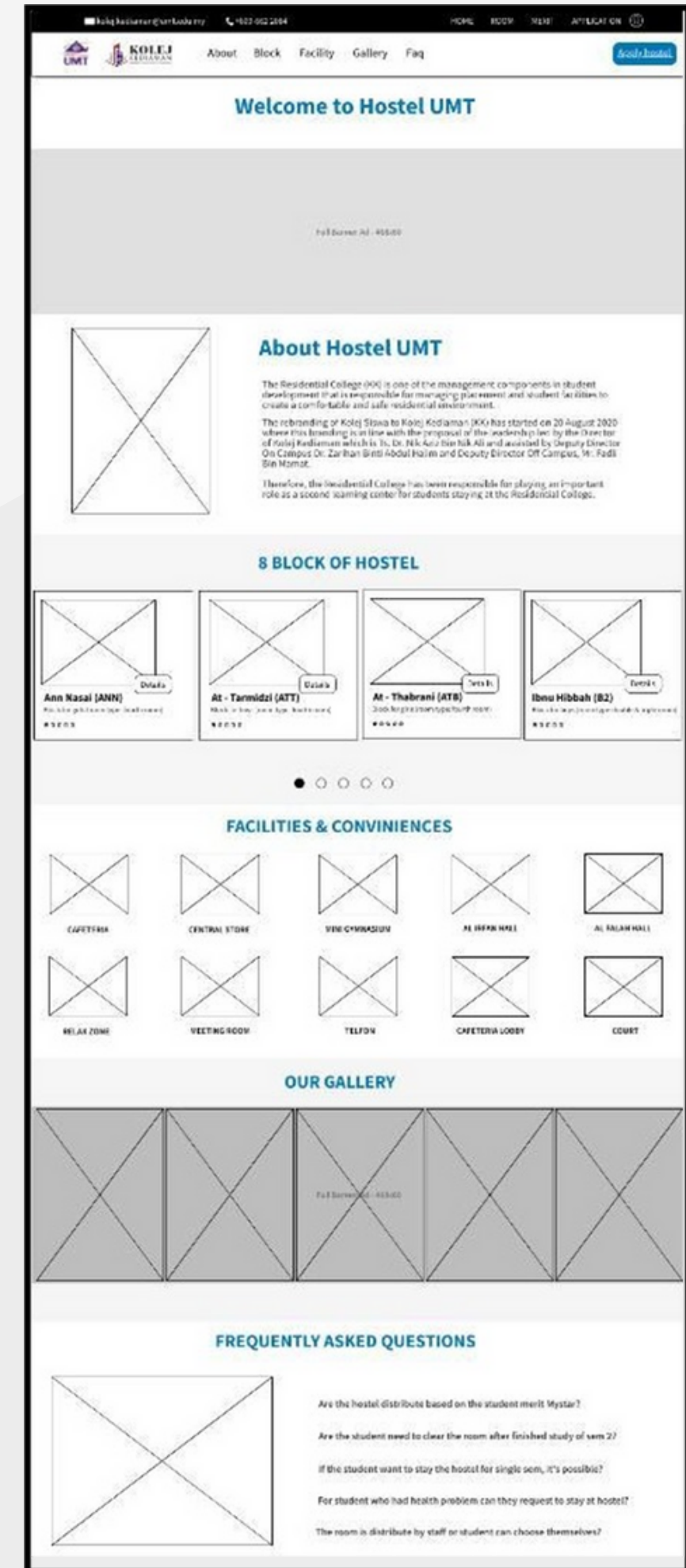
The ER diagram depicts the relationship among the people, objects and events in UMT Hostel Management System.

There are 8 entities involved in the system:

- staffs
- hostel
- room
- roomapplication
- hostelapplication
- student
- involvement
- merit

WIREFRAMES

# STUDENT HOME PAGE





# WIREFRAMES

## STUDENT HOSTEL APPLICATION PAGE

kolej.kediaman@umt.edu.my+609-662 2084

HOMEROOMMERITAPPLICATION



AboutBlockFacilityGalleryFaq

Back

HOSTEL APPLICATION FORM

### Hostel Application For Academic Session 2023/2024

#### Rules/ Regulation

1. Please be informed that the hostel application for 2023/2024 session will be open by 1 July to 14 July 2022 only.
2. The application can be done through online via MyNemo hostel application page. Manual application will be not accepted.
3. The hostel application is based on MYSTAR MERITS connected starting from SEPTEMBER 2021 to JULY 2022.
4. Students need to ensure that merit is including the involvement of all Residential College programmes.
5. Student needs to choose the channel current status selection:

Condition 

Common Student
6. Students with HEALTH PROBLEMS need to show supporting documents as evidence of confirmation upon receiving room key. Only documents from PUBLIC HOSPITAL / SPECIALIST HOSPITAL are accepted.
7. Students of UNIFORMED BODIES need to upload their MEMBERSHIP CARD.
8. Students are advised to print a copy of the application form for reference.
9. The successful applicant will be granted permission to apply for a room.
10. Please to inform that announcement for admission date to apply for room is subject to the UMTKK approval.
11. Any inquiries, please contact a Fellow or Residential College Administration at 09-622 2084.

Thank you.

☒ I have read and understand the above terms and conditions.

Submit

# WIREFRAMES

## STUDENT ROOM APPLICATION PAGE

kolej.kediaman@umt.edu.my+609-662 2084

HOMEROOMMERITAPPLICATION

UMTKOLEJ KEDIAMAN

AboutBlockFacilityGalleryFaq

Back

ROOM APPLICATION FORM

123

ROOM APPLICATION INFO

Start Date

dd/mm/yyyy

End Date

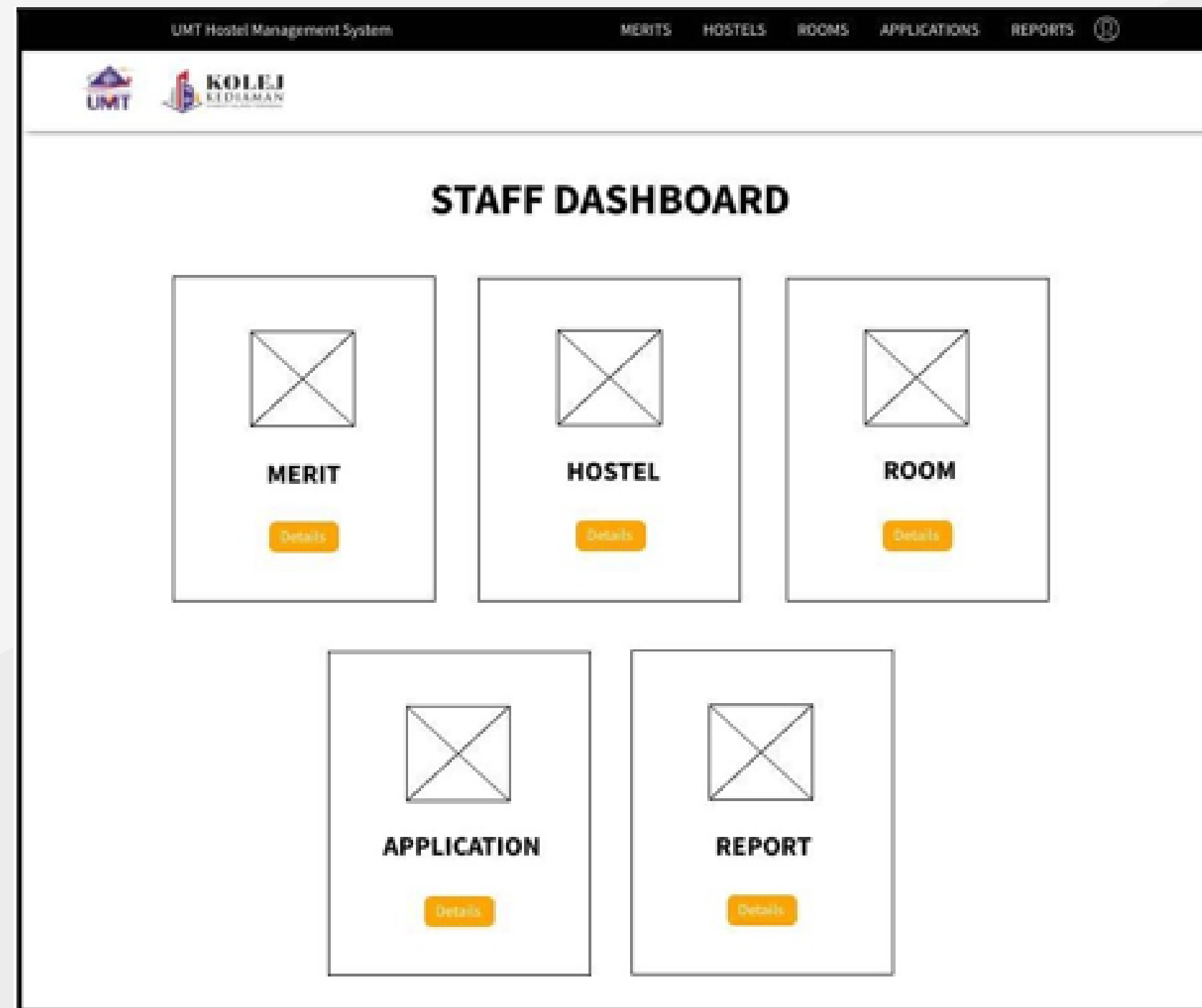
dd/mm/yyyy

Block Chosen

Ibnu Sina (B1)

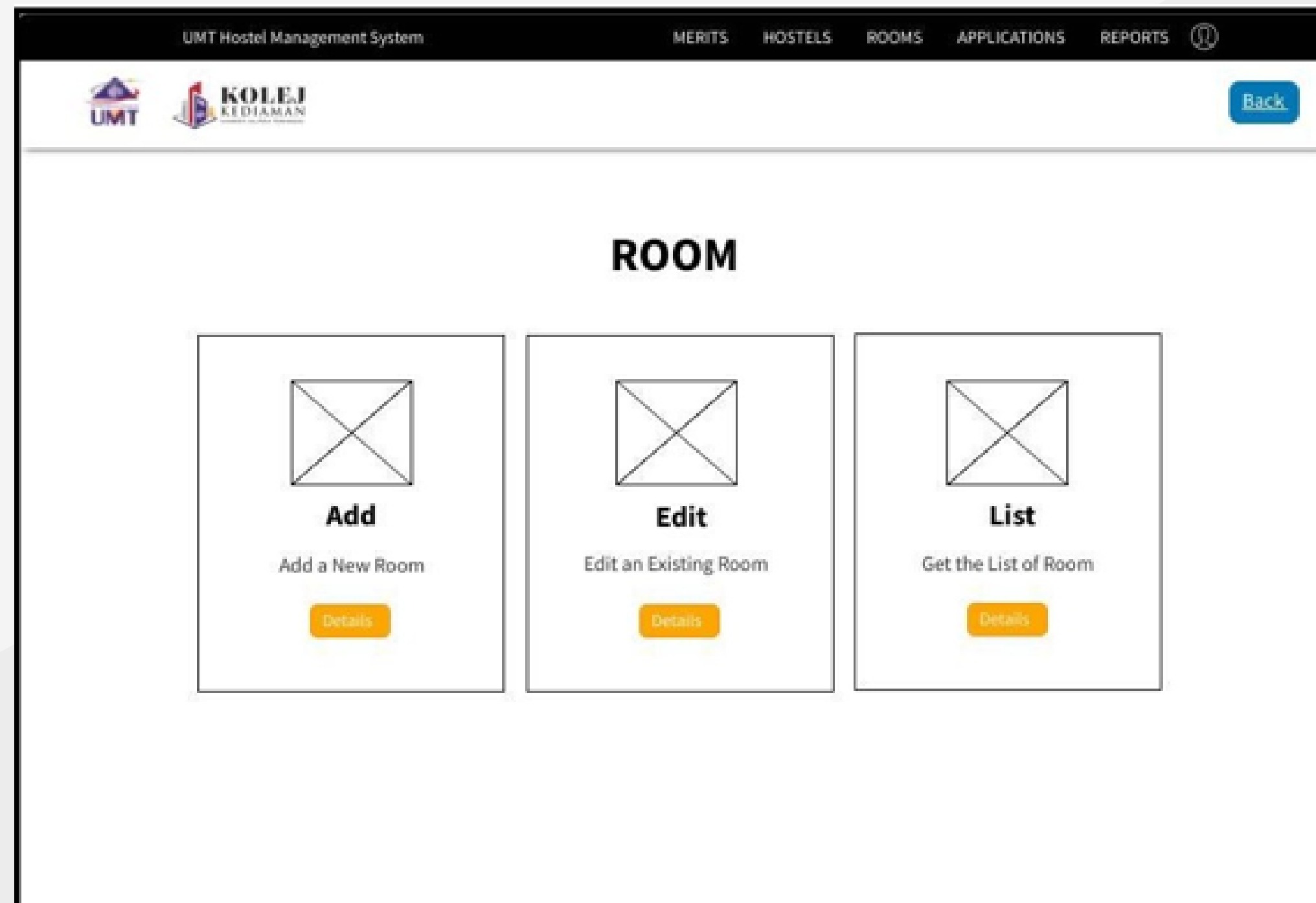
# WIREFRAMES

## STAFF HOME PAGE



# WIREFRAMES

## STAFF ROOM PAGE







# WIREFRAMES

## STAFF ROOM FORM

UMT Hostel Management System

MERITSHOSTELSRROOMSAPPLICATIONSREPORTS



Back

Add Room

Room ID

Capacity

2

Fees Per Night

RM7

Hostel ID

Save

# WIREFRAMES

## STAFF ROOM LIST

UMT Hostel Management System

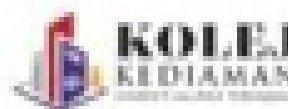

MERITS

HOSTELS

ROOMS

APPLICATIONS

REPORTS



Back

List of Room

Add New Room



Room ID	Capacity	Fees Per Night	Hostel ID	Actions
IA-301	4	7	IA	<a href="#">edit</a> <a href="#">delete</a>

# WIREFRAMES

## CHANGE PASSWORD PAGE

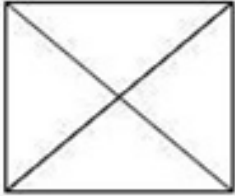
UMT Hostel Management System

MERITSHOSTELSRROOMSAPPLICATIONSREPORTS



Back

### Change Password



You can reset your password here.

Current Password

Enter New Password

Confirm Password

Save



---

# THANK YOU

*PROCEED WITH DEMOSTRATION <3*

