

Hostel Management System

User Manual

CO527 - Advanced Database Systems Project

Group Members

E/15/180 - Karunathilake V.M.B.S.S.V

E/15/243 - Nisansala R.M.B.S

E/15/271 - Prasadika L.B.S.

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1.Introduction

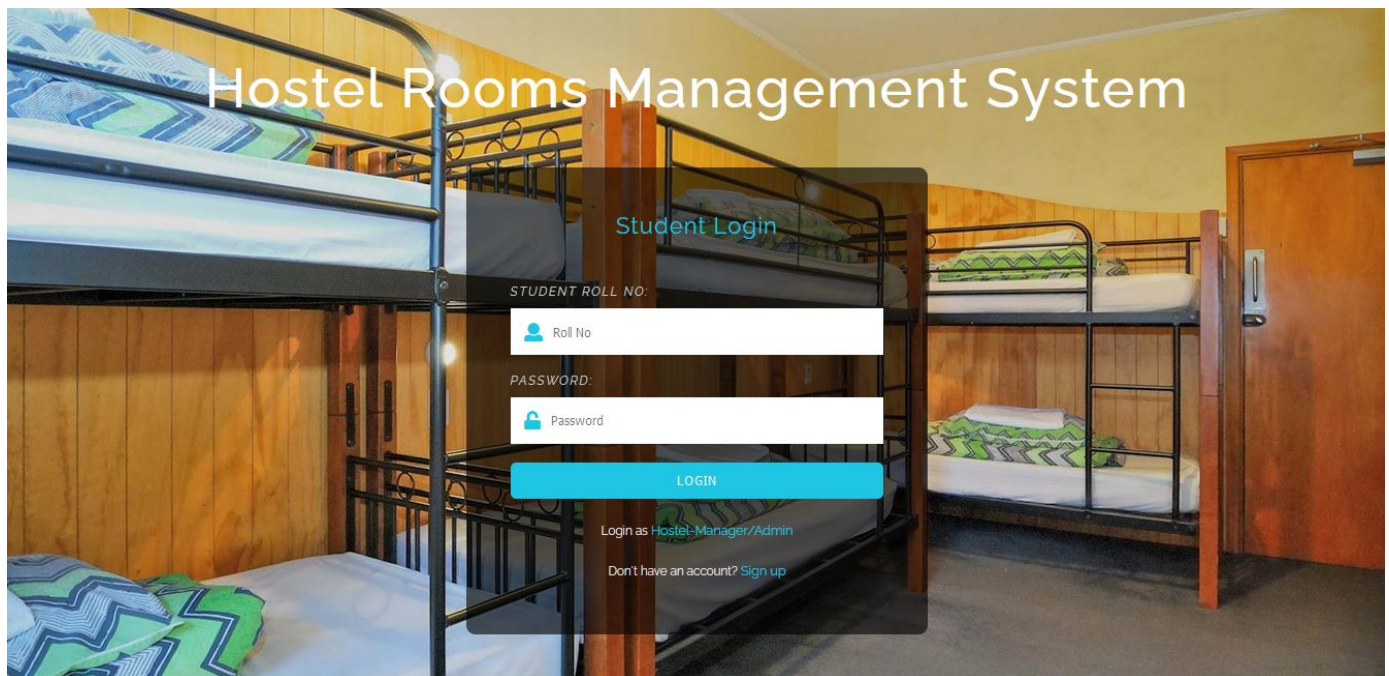
- Hostel Management system is a web application which aims at computerization of current procedure of allocating hostel rooms.
- Currently the process involves students filling up the forms and submitting them in respective hostel offices which involves a lot of paperwork, hence less efficient.

2.Type of Users

1. Student
2. Hostel Manager
3. Admin

3.Student

3.1 Login Page



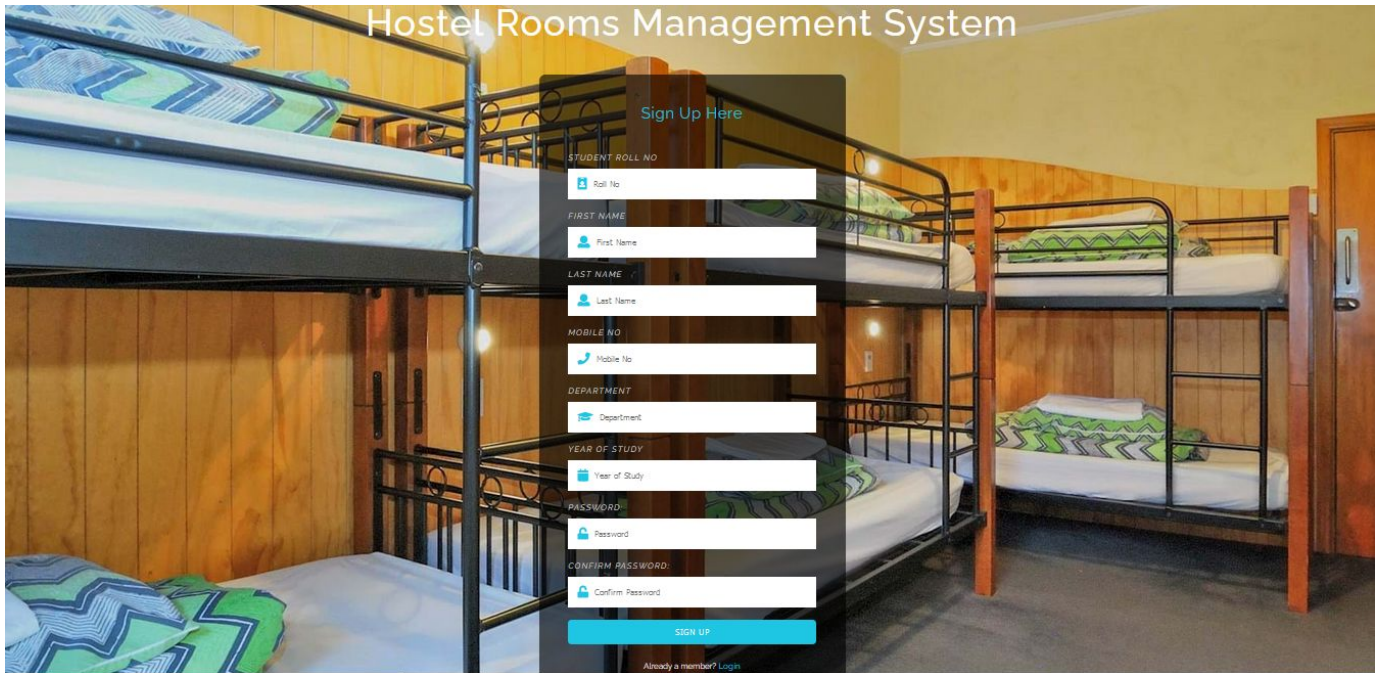
Users who have previously registered for the Hostel Management System Web Application must login by:

1. Entering their Username/Roll No.
2. Entering their Password.

Selecting Login to advance to the next screen and begin using the application.

3.2 Sign Up Page

Students who have not previously registered for the Hostel Management System Web Application must select “Register to use the site” to access the “New User Registration” page. There they can enter all the required details and register themselves in the portal.



The image shows a web application interface for a hostel management system. The background is a photograph of a hostel room with wooden walls and metal bunk beds. Overlaid on this is a dark, semi-transparent registration form titled "Sign Up Here". The form contains the following fields: "STUDENT ROLL NO" (with a mail icon), "FIRST NAME" (with a person icon), "LAST NAME" (with a person icon), "MOBILE NO" (with a mobile phone icon), "DEPARTMENT" (with a graduation cap icon), "YEAR OF STUDY" (with a calendar icon), "PASSWORD" (with a lock icon), and "CONFIRM PASSWORD" (with a lock icon). Below these fields is a blue "SIGN UP" button. At the bottom of the form, there is a link that says "Already a member? Login".

3.3 Home Page




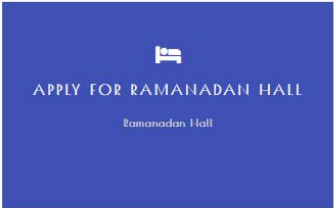
The homepage basically contains a navigation bar which takes the user to different pages to perform different activities



3.4 Hostel Page

Hostel Page is accessible only to students and they can request for room in any hostel by just clicking on the corresponding hostel link and confirming by entering their password.


Hostels

<u>RAMANADHAN</u>  <u>WIJEWARADHAN</u> 	<u>EDIRIWEERA SARACHCHANDRA</u>  <u>HILDA</u> 	<u>GUHAPALA MALALASEKARA</u>  
		

3.5 Application Form

- Student Should enter password to confirm
- If the student is already allocated room, he won't be allowed to submit any application forms.

Application Form

Name	Message...
Roll Number	
Hostel	
Password	
	

3.6 Contact Form

Students can send messages to the hostel manager by filling up this form and clicking on the submit button.

Contact Us

Hostel Name	Message...
Amila bandaranayaka	
E15260	
Subject	
<input type="submit" value="Submit"/>	

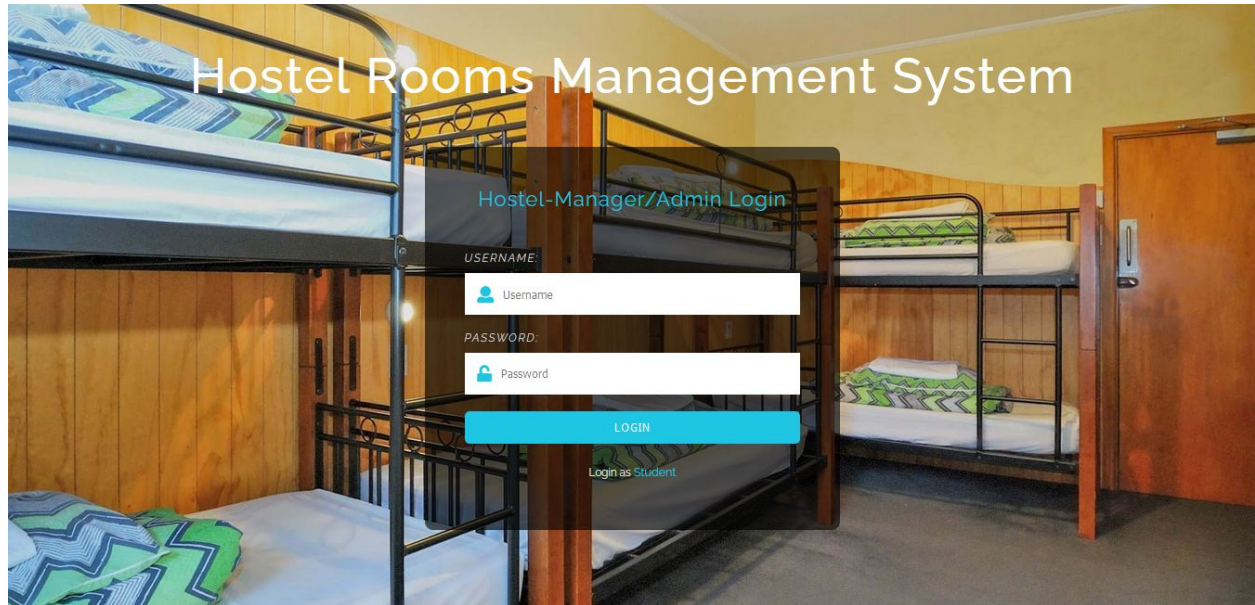
3.7 Student Profile

For a student his user profile will also contain the hostel details and hostel manager information if he is allocated room.



4.Hostel Manager

4.1 Hostel Manager Login Page



4.2 Applications Received

This tab can only be accessed by the hostel manager. He can view all the applications his hostel received and allocate rooms accordingly.

Each hostel manager can look at the list of allocated rooms and empty rooms in his/her hostel by going to this tab.

Possible Error Checks

- Once a hostel becomes full the manager won't be able to allocate a room for students. So he/she will send a message to the student saying that the rooms are full.
- If a student is already allocated a room, he can't apply to any other hostel.

Search

Applications Received

Student Name	Student ID	Hostel	Message
No Rows Returned			

Allocate

4.3 Allocated and Empty Rooms

Allocate Rooms

Search

Rooms Allocated

Student Name	Student ID	Contact Number	Hostel	Room Number
No Rows Returned				

Empty Rooms

<input type="text" value="Search By Room Number"/>	<input type="button" value="Search"/>
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Empty Rooms

Hostel Name	Room Number
No Rows Returned	

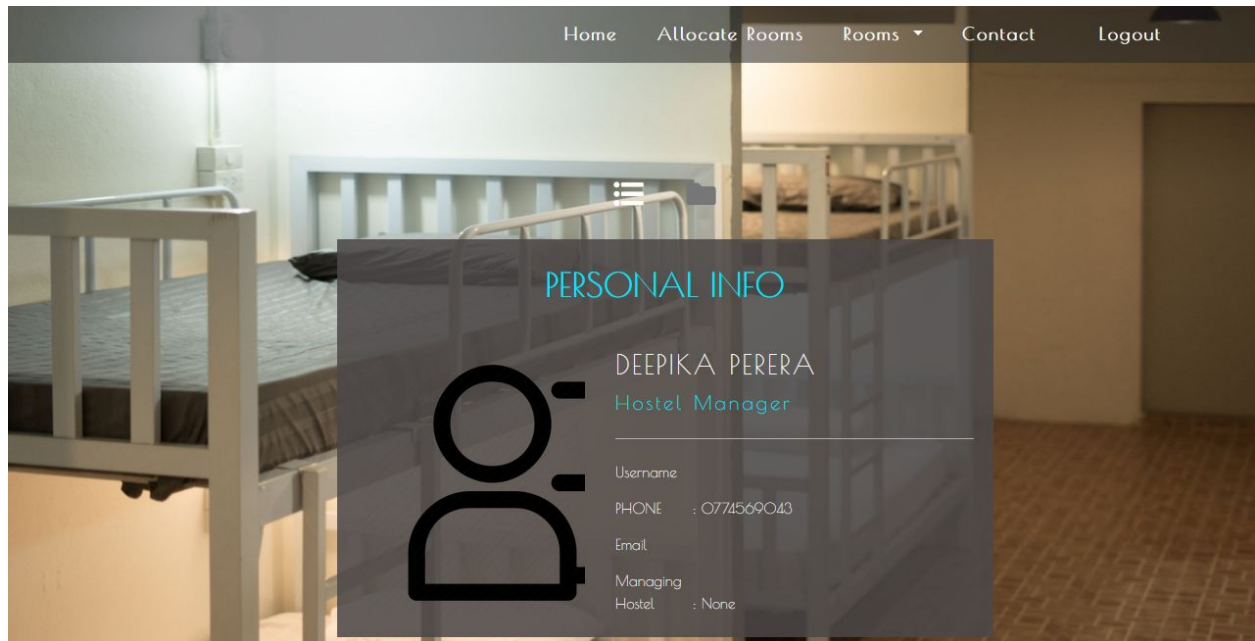
4.4 Vacate Rooms

Hostel Manager can vacate an allocated room by filling the student and room details in this form and clicking on the “click to vacate” button.

Vacate Form

<input type="text" value="Roll Number"/>	<input type="button" value="Click To Vacate"/>
<input type="text" value="Hostel"/>	
<input type="text" value="Room Number"/> 	

4.5 Hostel Manager Profile

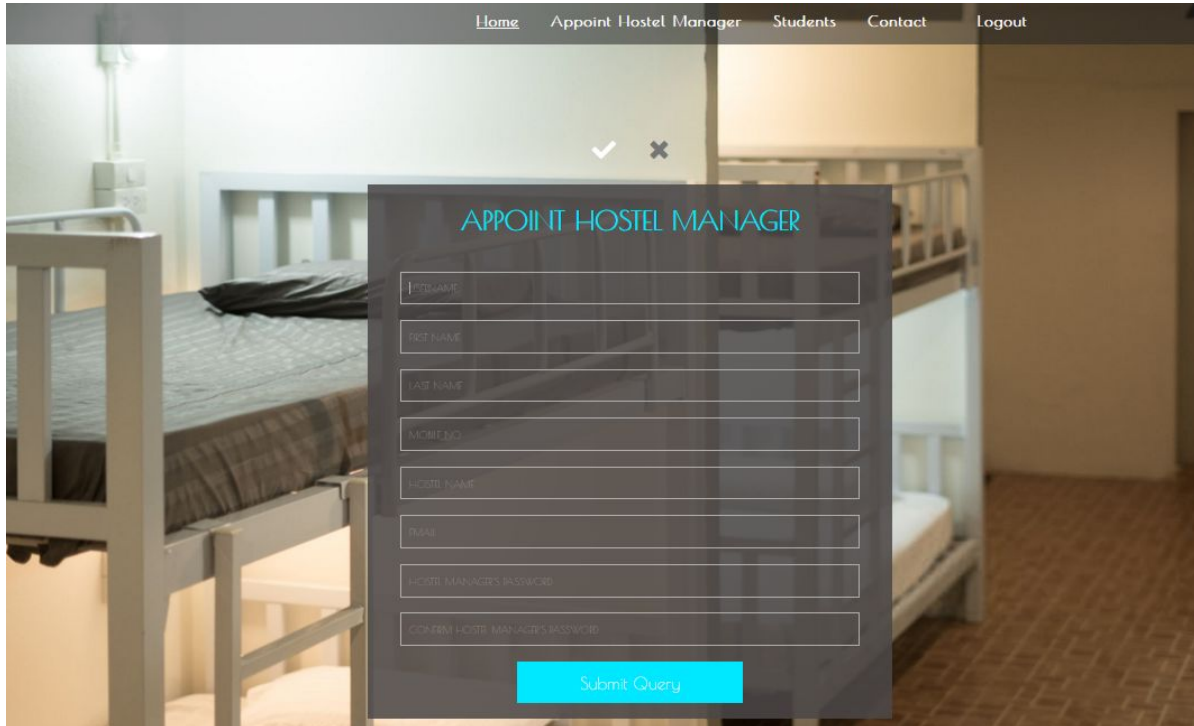


5. Admin

5.1 Appoint/Remove Hostel Manager

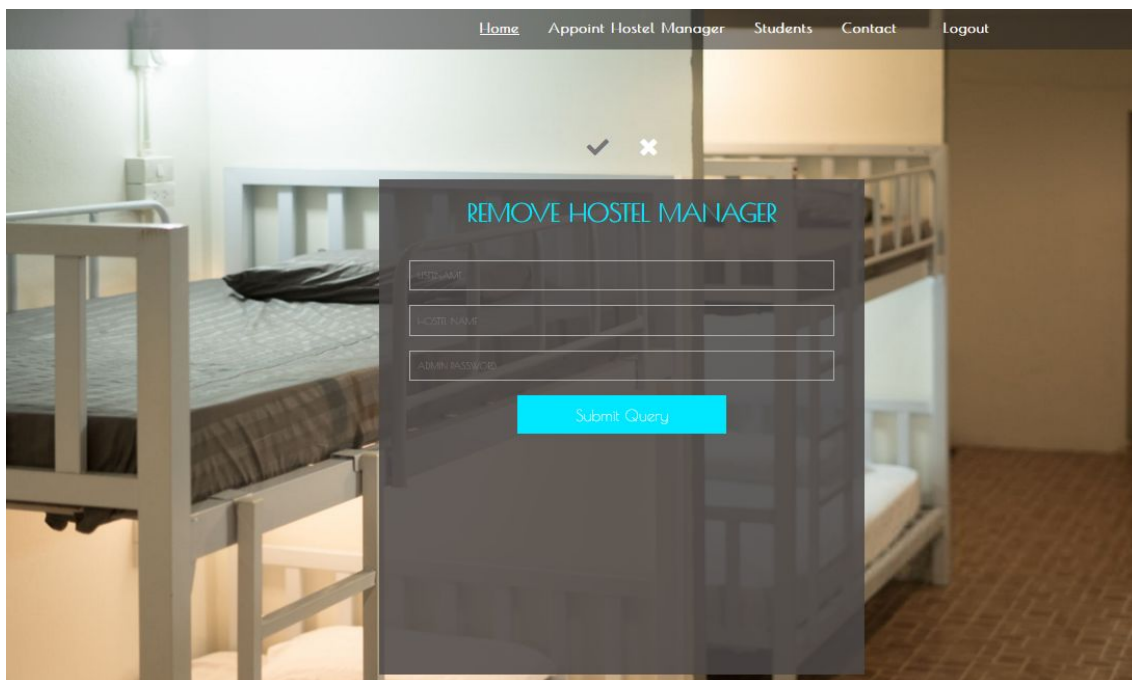
This page can only be accessed by the hostel admin. He can allocate a new hostel admin or remove an existing hostel manager.

Appoint Hostel Manager



The screenshot shows a web application interface with a dark header bar containing navigation links: [Home](#), [Appoint Hostel Manager](#), [Students](#), [Contact](#), and [Logout](#). The background image is a hostel room with bunk beds. A modal form titled "APPOINT HOSTEL MANAGER" is centered on the screen. The form includes the following input fields: for ID NUMBER, for FIRST NAME, for LAST NAME, for MOBILE NO., for HOSTEL NAME, for EMAIL, for HOSTEL MANAGER'S PASSWORD, and for CONFIRM HOSTEL MANAGER'S PASSWORD. A blue "Submit Query" button is at the bottom of the form. Above the form, there are checkmark and close icons.

Remove Hostel Manager



The screenshot shows the same web application interface as above. The modal form is now titled "REMOVE HOSTEL MANAGER". It includes the following input fields: for ID NUMBER, for HOSTEL NAME, and for ADMIN PASSWORD. A blue "Submit Query" button is at the bottom of the form. Above the form, there are checkmark and close icons.

5.2.Student Page

In this page the admin can see a list of all the students, their details and the hostel allocated to them along with the room.

Rooms Allocated

Student Name	Student ID	Contact Number	Hostel	Room Number
Dulanthi Rajapaksha	E14126	0714568973	None	None
Lakmali Dassanayaka	E14323	0775643123	None	None
Chamath Raveen	E15001	0778654561	None	None
Nishadi Perera	E15036	0712380945	None	None
Amila Bandaranayaka	E15260	0716780934	None	None

5.3 Admin Profile Page

[Home](#)
[Appoint/Remove Hostel Manager](#)
[Students](#)
[Contact](#)
[Logout](#)



PERSONAL INFO



DEEPIKA PERERA

Admin

Username

PHONE : 0774569043

Email