
Hostel Room Allocation System

DBMS Project

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Introduction

- Hostel Room allocation 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 !

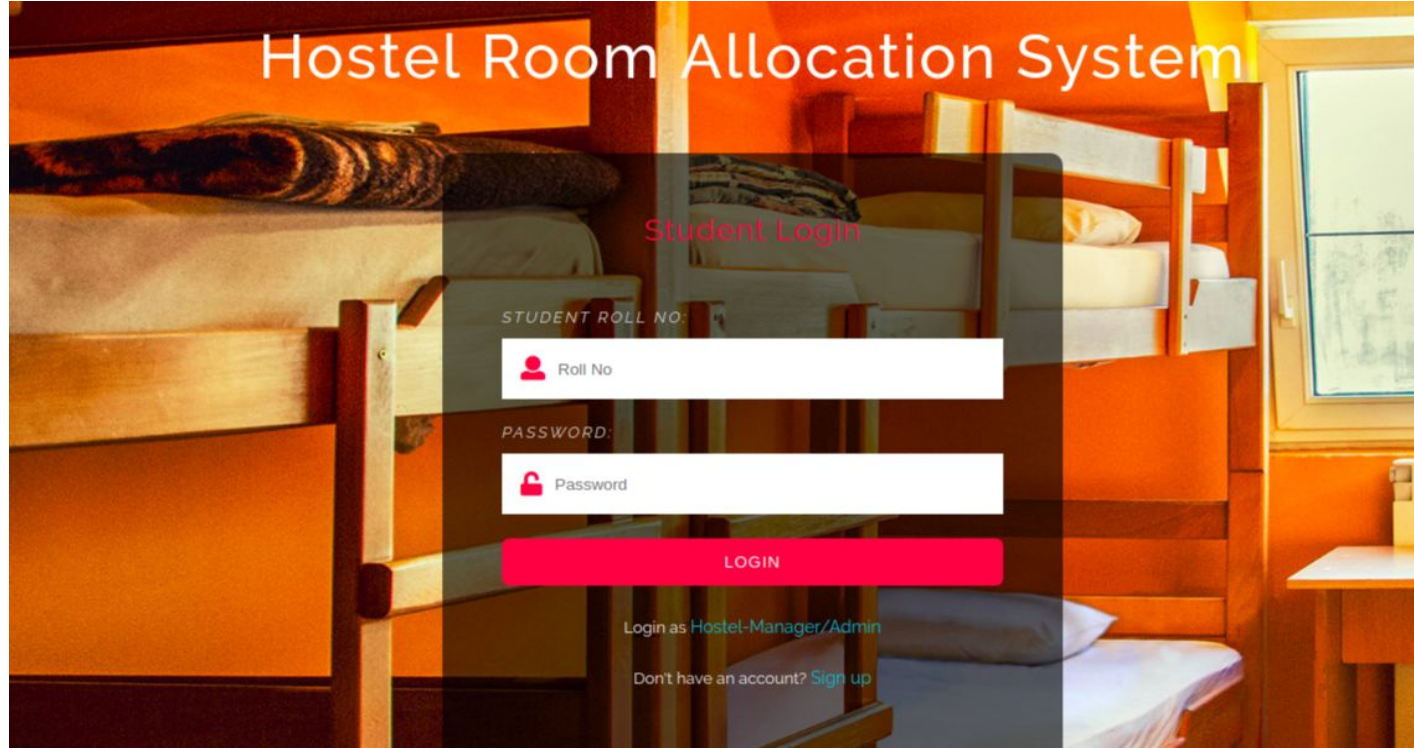
Types of Users

1. Student
2. Hostel Manager
3. Admin



Student

Login Page

The image shows a login interface for a 'Hostel Room Allocation System'. The background is a photograph of a hostel room with wooden bunk beds and a window. The login form is a semi-transparent overlay in the center. It has a title 'Student Login' in red. Below it, there are two input fields: 'STUDENT ROLL NO:' with a red person icon and 'PASSWORD:' with a red lock icon. A red 'LOGIN' button is below the password field. At the bottom, there is a link 'Login as Hostel-Manager/Admin' and a link 'Don't have an account? Sign up'.

Hostel Room Allocation System

Student Login

STUDENT ROLL NO:

Roll No

PASSWORD:

Password

LOGIN

Login as [Hostel-Manager/Admin](#)

Don't have an account? [Sign up](#)

- If and only if the user exists in DB and password entered is correct, he/she will be able to login, otherwise appropriate error message is displayed.

Sign Up Here

STUDENT ROLL NO

Roll No

FIRST NAME

First Name

LAST NAME

Last Name

MOBILE NO

Mobile No

DEPARTMENT

Department

YEAR OF STUDY

Year of Study

PASSWORD:

Password

CONFIRM PASSWORD:

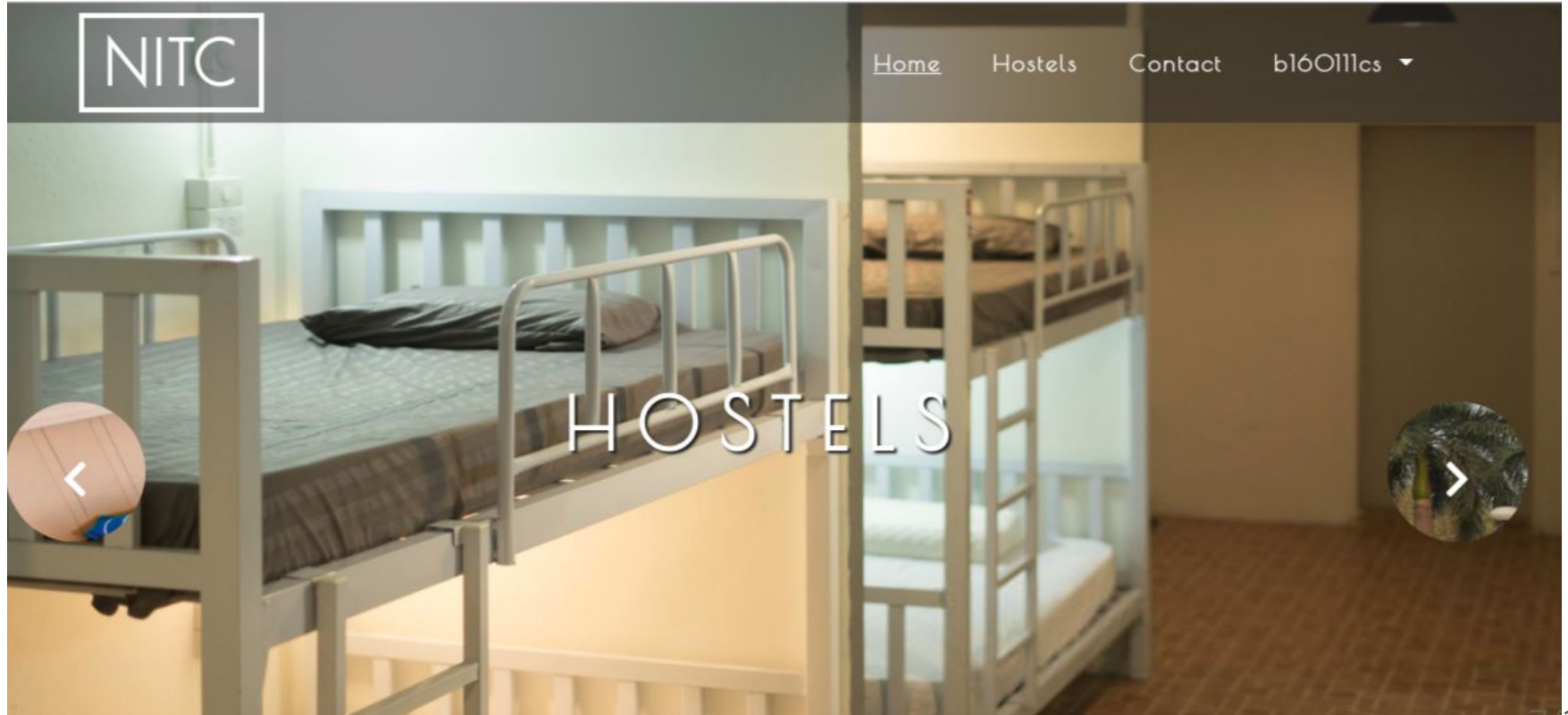
Confirm Password

SIGN UP

Sign Up Page

- Students who are not a part of the portal can register themselves here.
- **Hostel Manager cannot sign up, he/she can only login. Hostel manager can only be created by Admin!**
- All the necessary error conditions are checked.(like if a user with the entered roll number already exists).

Home Page



Hostels Page

Hostels

A HOSTEL



A Hostel

B HOSTEL



B Hostel

C HOSTEL



C Hostel

D HOSTEL



D Hostel

E HOSTEL



E Hostel

F HOSTEL



F Hostel



APPLY FOR A-HOSTEL

A Hostel



APPLY FOR B-HOSTEL

B Hostel



APPLY FOR C-HOSTEL

C Hostel



APPLY FOR D-HOSTEL

D Hostel



APPLY FOR E-HOSTEL



APPLY FOR F-HOSTEL



Application Form

Application Form

| | |
|---|---|
| <input type="text" value="Bharat Reddy"/> | <input type="text" value="Message..."/> |
| <input type="text" value="B16O198cs"/> | |
| <input type="text" value="A"/> | |
| <input type="password" value="Password"/> | |
| <input type="button" value="Click To Apply"/> | |

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

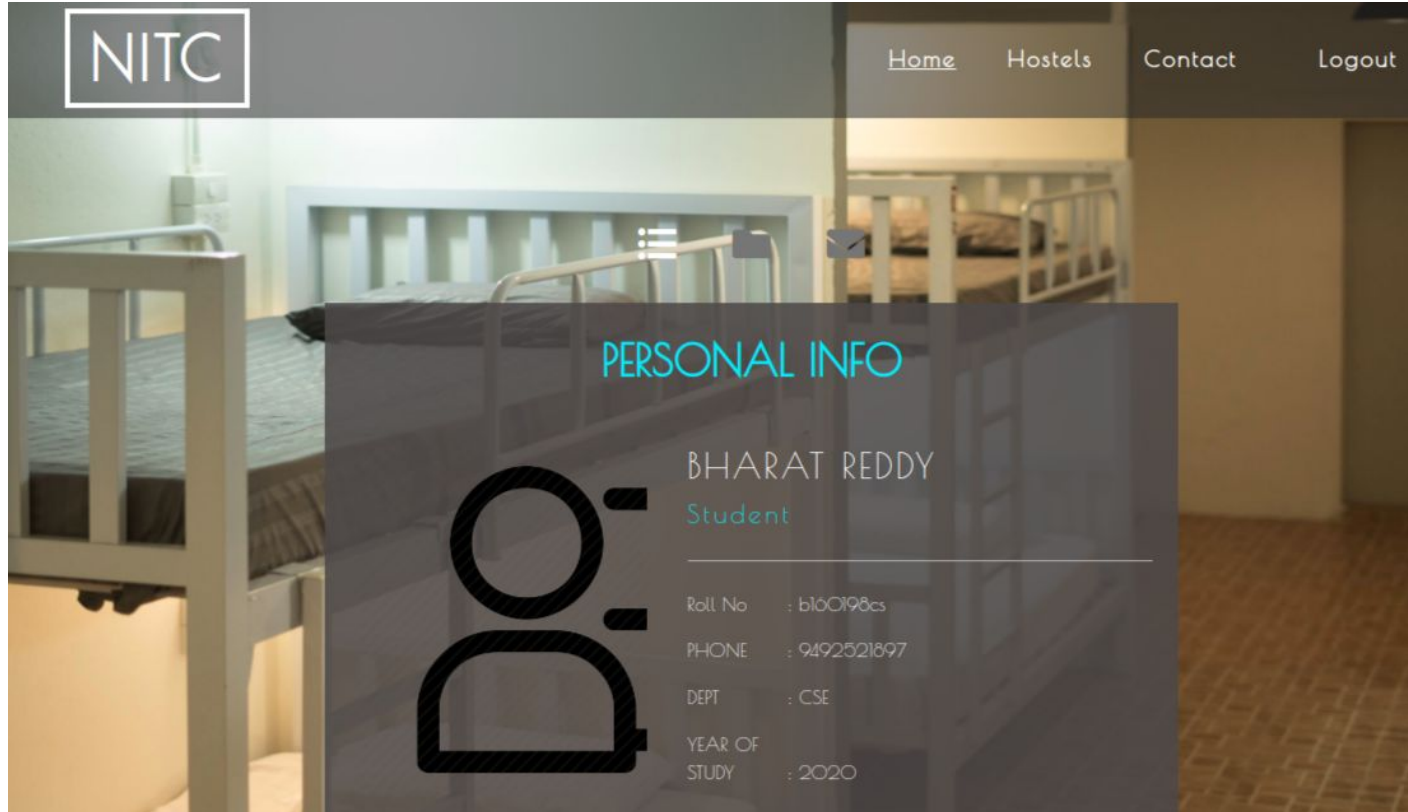
Contact Form

Contact Us

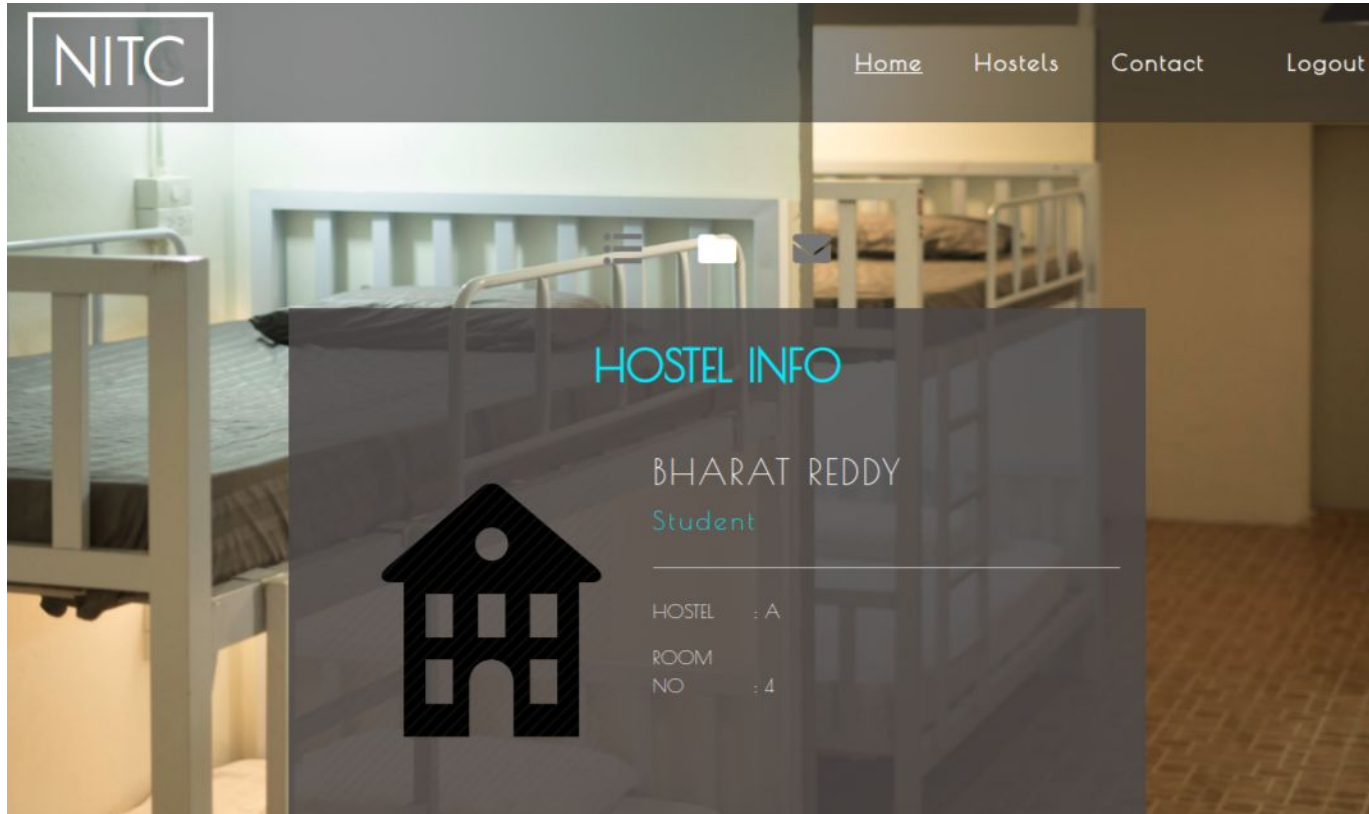
| | |
|--------------|------------|
| Hostel Name | Message... |
| Bharat Reddy | |
| B16O198cs | |
| Subject | |
| | Submit |

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

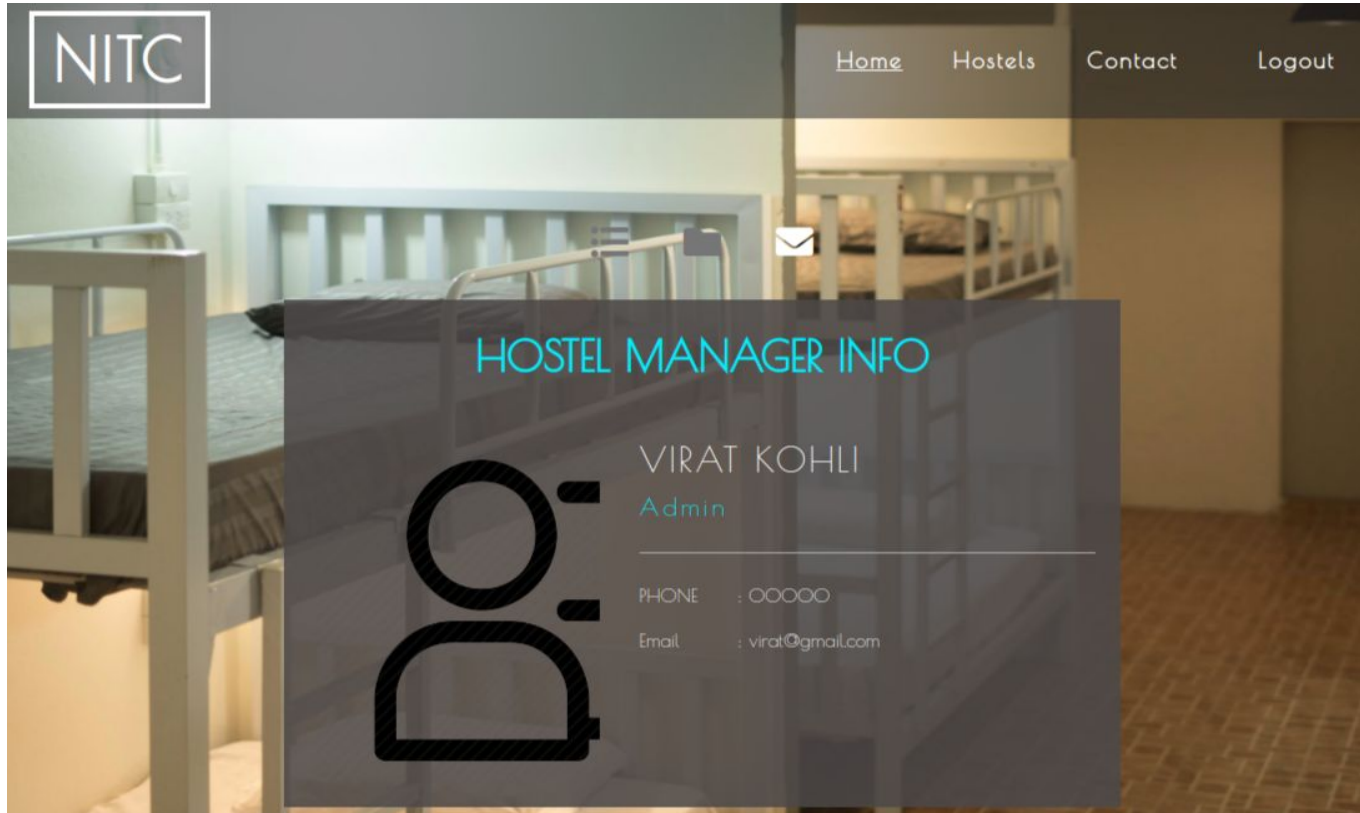
Profile Page(1)



Profile Page(2)

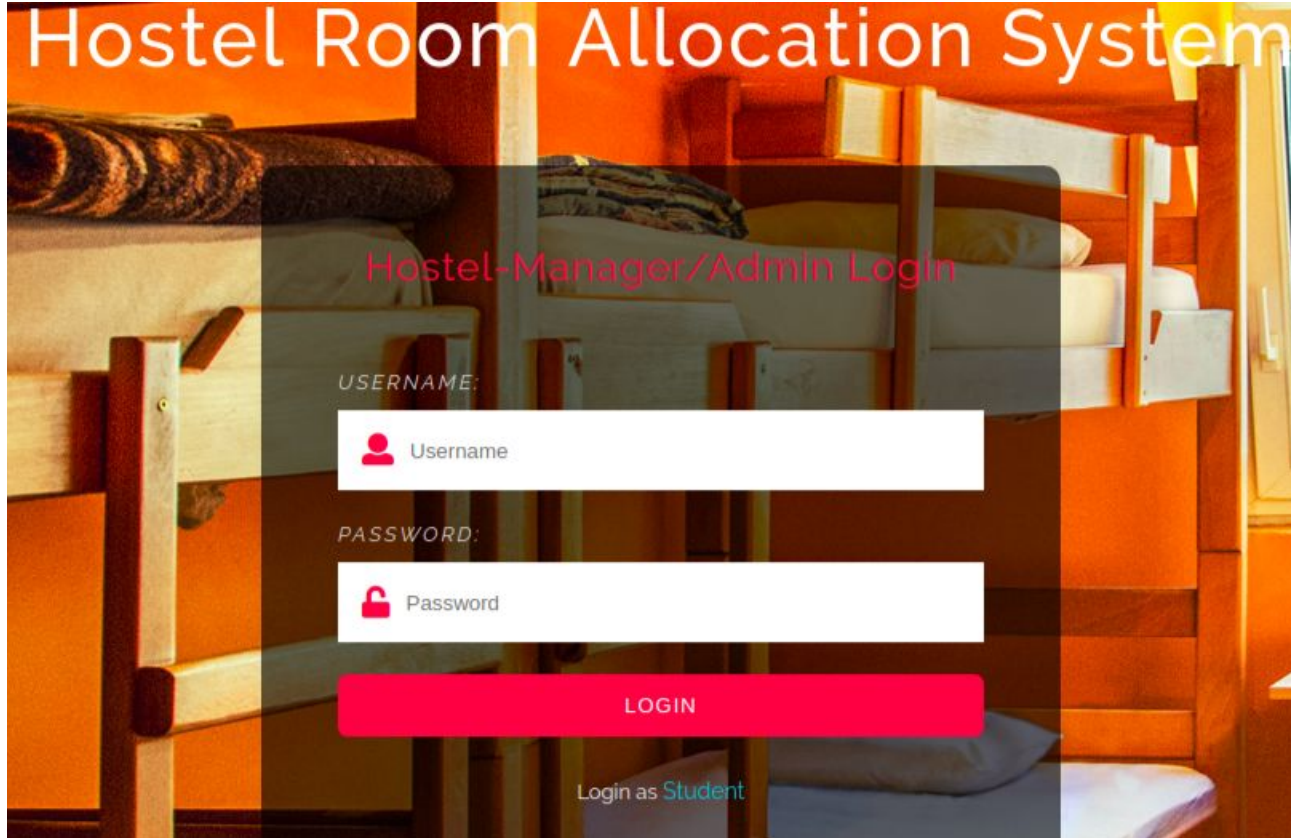


Profile Page(3)



Hostel Manager


Hostel Manager/Admin Login Page

The image shows a login interface for a 'Hostel Room Allocation System'. The background is a photograph of wooden bunk beds in a hostel room. A semi-transparent dark grey login box is centered on the screen. At the top of the box, the title 'Hostel Manager/Admin Login' is written in red. Below the title, the label 'USERNAME:' is in a light grey font. Underneath is a white input field with a red user icon and the placeholder text 'Username'. Below this, the label 'PASSWORD:' is in a light grey font. Underneath is another white input field with a red padlock icon and the placeholder text 'Password'. At the bottom of the box is a large red button with the text 'LOGIN' in white. Below the button, the text 'Login as Student' is displayed, with 'Student' in a teal color.


Hostel Room Allocation System

Hostel-Manager/Admin Login

USERNAME:

 Username

PASSWORD:

 Password

LOGIN

Login as [Student](#)

Hostel Manager Home Page



Applications Received Page

Search

Applications Received

| Student Name | Student ID | Hostel | Message |
|-------------------|------------|--------|---------------------------------|
| Prajwal Ghoradkar | bl6O777cs | A | Hey manager: Give me some room. |

Allocate

Applications Received Page

Possible Error Checks

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

Allocated Rooms

Rooms Allotted

| Student Name | Student ID | Contact Number | Hostel | Room Number |
|--------------|------------|----------------|--------|-------------|
| pitbull god | b160111cs | 999 | A | 3 |
| bharat reddy | b160198cs | 9492521897 | A | 1 |

Empty Rooms

Empty Rooms

| Hostel Name | Room Number |
|-------------|-------------|
| A | 4 |
| A | 5 |

Vacate Rooms

Vacate Form

Roll Number

Click To Vacate

A

Room Number

Messages Page

Ground Floor Request

sfdbtbf

b16O497CS

2018-10-27 09:14 PM

Fan not working in room no 129

Today morning fan suddenly stopped working. Since its summer and its tough to survive without fan, please fix it as soon as possible. Thank you!

b16O198cs

2018-10-29 01:30 PM

Hostel Manager Profile Page



Admin

Admin Home Page



APPOINT HOSTEL MANAGER

USERNAME

FIRST NAME

LAST NAME

MOBILE NO

HOSTEL NAME

EMAIL

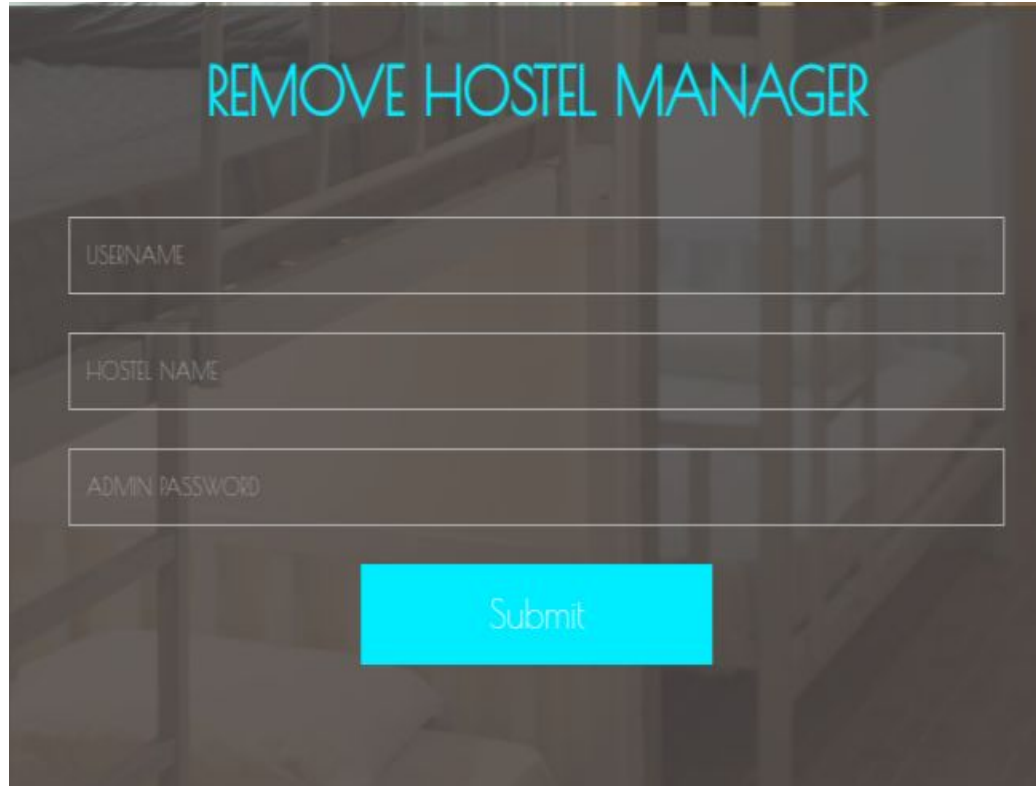
HOSTEL MANAGER'S PASSWORD

CONFIRM HOSTEL MANAGER'S PASSWORD

Submit

Appoint Hostel Manager

Remove Hostel Manager

A screenshot of a web form titled "REMOVE HOSTEL MANAGER" in cyan text. The form has a dark background with a faint image of a hostel interior. It contains three input fields: "USERNAME", "HOSTEL NAME", and "ADMIN PASSWORD", each with a light gray border. Below the fields is a bright cyan "Submit" button.

REMOVE HOSTEL MANAGER

USERNAME

HOSTEL NAME

ADMIN PASSWORD

Submit

Students Page

Rooms Allotted

| Student Name | Student ID | Contact Number | Hostel | Room Number |
|-------------------|------------|----------------|--------|-------------|
| admin admin | b160000cs | 9492521897 | None | None |
| pitbull god | b16011cs | 999 | A | 3 |
| bharat reddy | b160198cs | 9492521897 | A | 4 |
| Prajwal Ghoradkar | b160777cs | 33333333 | A | 1 |
| john doe | b160999cs | 9999999999 | None | None |
| praj pandurang | praj | 0 | None | None |

Admin Profile Page



Thank You !