
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

Hostel Room Allocation System

Student Login

STUDENT ROLL NO:

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

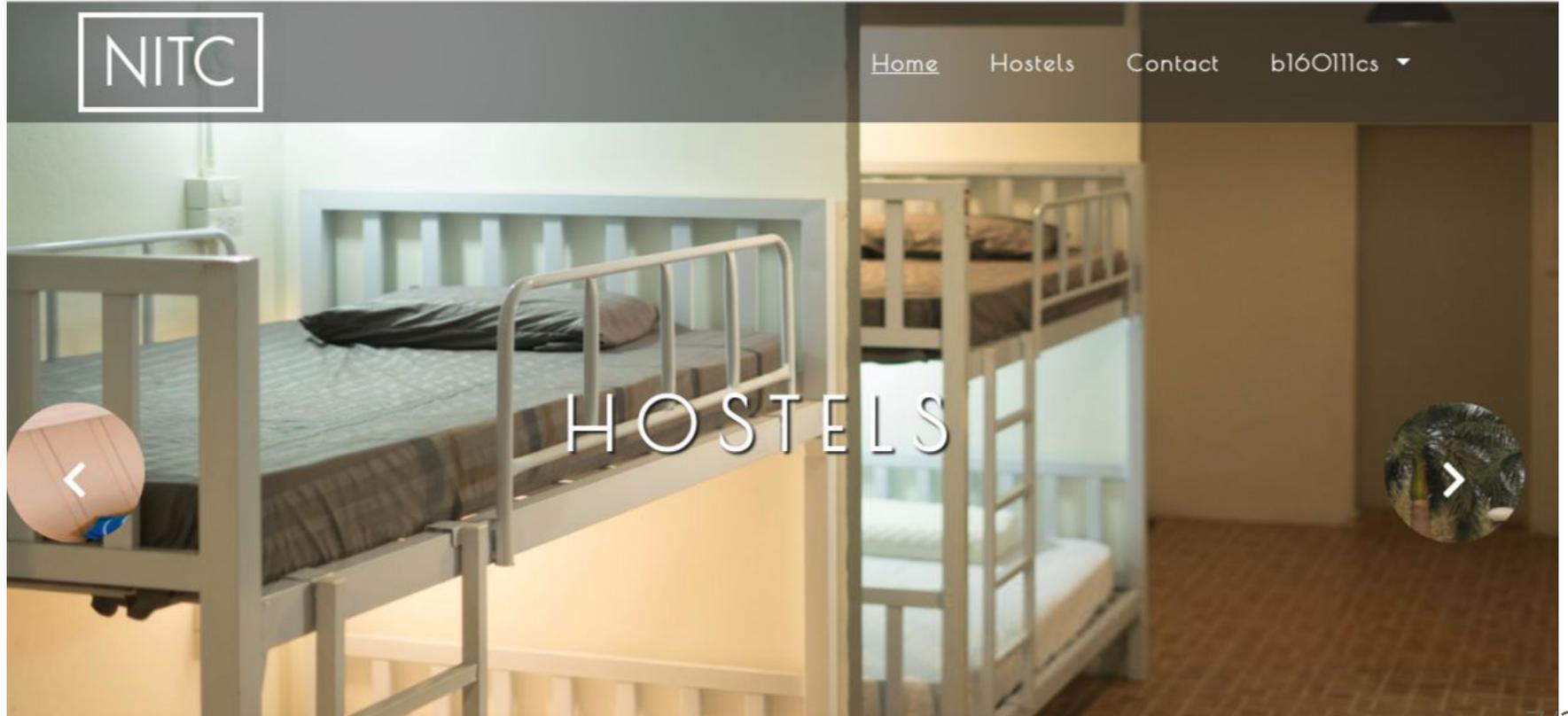
Confirm Password

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



B HOSTEL



C HOSTEL



D HOSTEL



E HOSTEL



F HOSTEL



Application Form

Application Form

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	
	<input type="submit" value="Submit"/>

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

Profile Page(1)

NITC

[Home](#) [Hostels](#) [Contact](#) [Logout](#)

PERSONAL INFO

BHARAT REDDY
Student

Roll No : b100198cs
PHONE : 9492521897
DEPT : CSE
YEAR OF STUDY : 2020

Profile Page(2)

NITC

[Home](#) [Hostels](#) [Contact](#) [Logout](#)

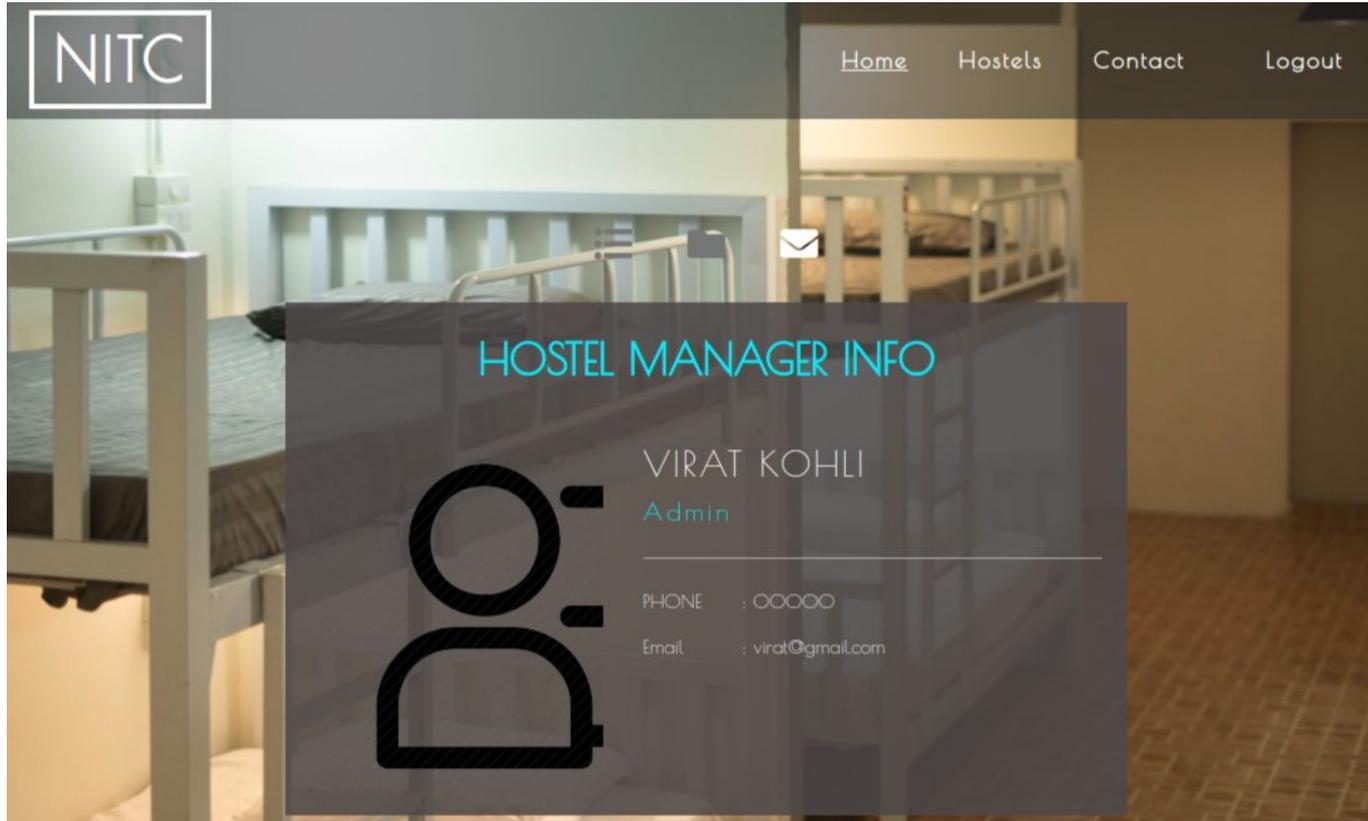
HOSTEL INFO

BHARAT REDDY
Student



HOSTEL	: A
ROOM NO	: 4

Profile Page(3)



Hostel Manager

Hostel Manager/Admin Login Page

Hostel Room Allocation System

Hostel-Manager/Admin Login

USERNAME:

PASSWORD:

LOGIN

[Login as Student](#)

Hostel Manager Home Page



Applications Received Page

Applications Received

Student Name	Student ID	Hostel	Message
Prajwal Ghoradkar	b160777cs	A	Hey manager: Give me some room.

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

A

Room Number

Click To Vacate

Messages Page

Ground Floor Request

sfdbfbdif

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



A screenshot of a web application profile page for a hostel manager. The background shows a hostel room with bunk beds. A dark grey semi-transparent overlay contains the profile information. On the left is a large black silhouette of a person's head and shoulders. To the right, the text 'PERSONAL INFO' is at the top in cyan. Below it, the name 'VIRAT KOHLI' and title 'Hostel Manager' are displayed. A horizontal line separates the name from the details. The details include Username, PHONE, Email, and Managing Hostel, each with a colon and its value.

PERSONAL INFO

VIRAT KOHLI
Hostel Manager

Username : managerA
PHONE : 00000
Email : virat@gmail.com
Managing Hostel : A

Admin

Admin Home Page



APPOINT HOSTEL MANAGER

USERNAME

FIRST NAME

LAST NAME

MOBILE NO

HOSTEL NAME

EMAIL

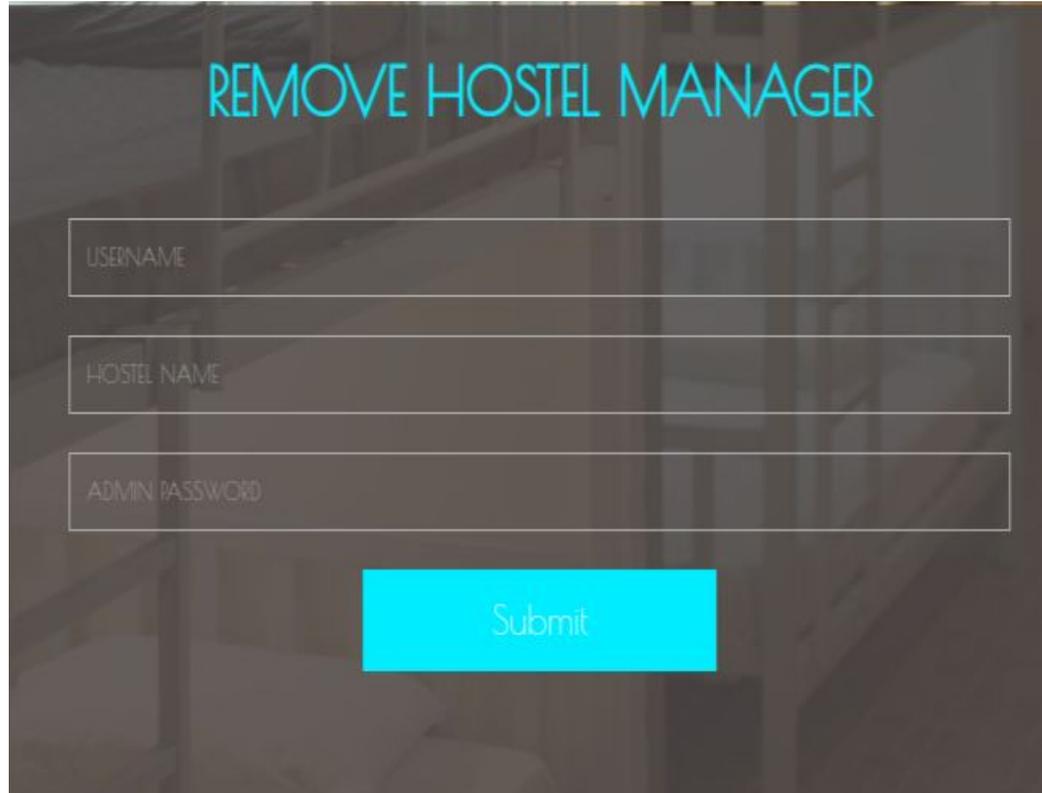
HOSTEL MANAGER'S PASSWORD

CONFIRM HOSTEL MANAGER'S PASSWORD

Submit

Appoint Hostel Manager

Remove Hostel Manager



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 !