

HOSTEL MANAGEMENT SYSTEM

Canva

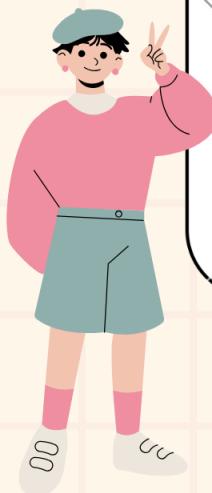
PRESENTED BY GROUP 13

MEET THE TEAM

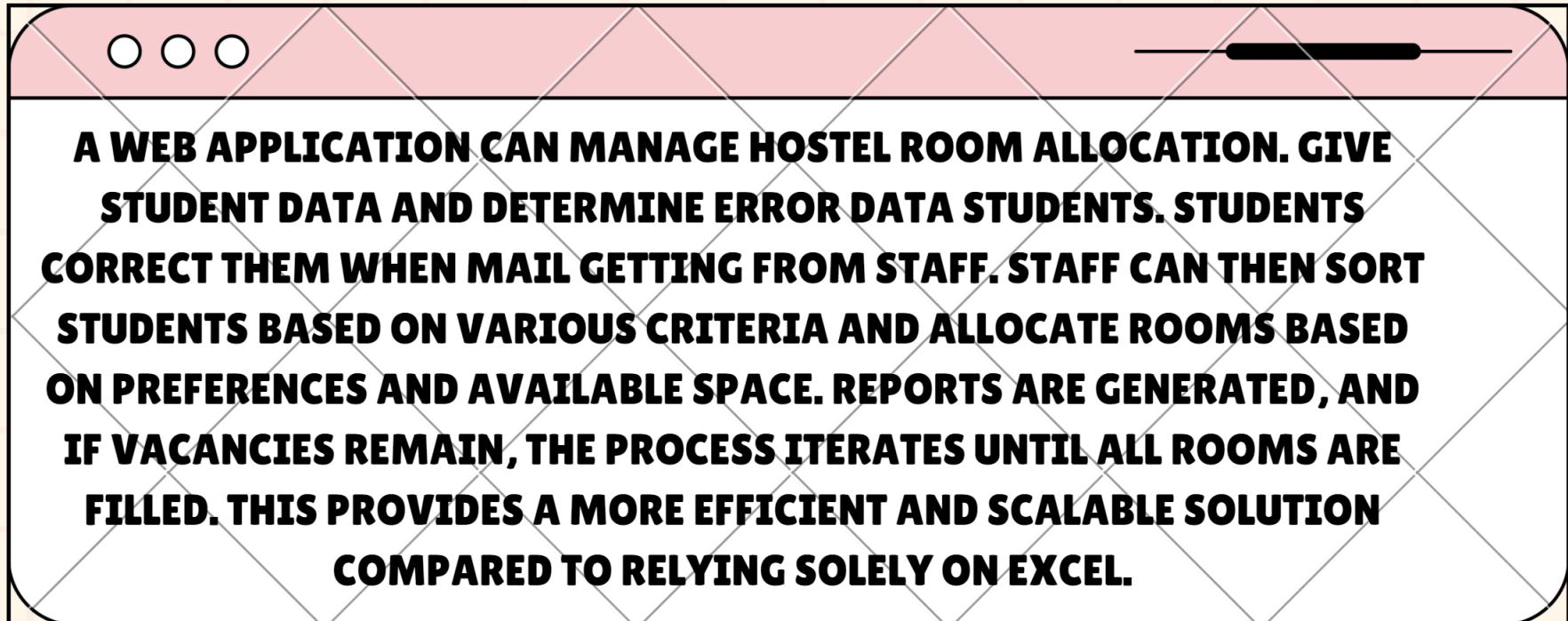


PROJECT OVERVIEW

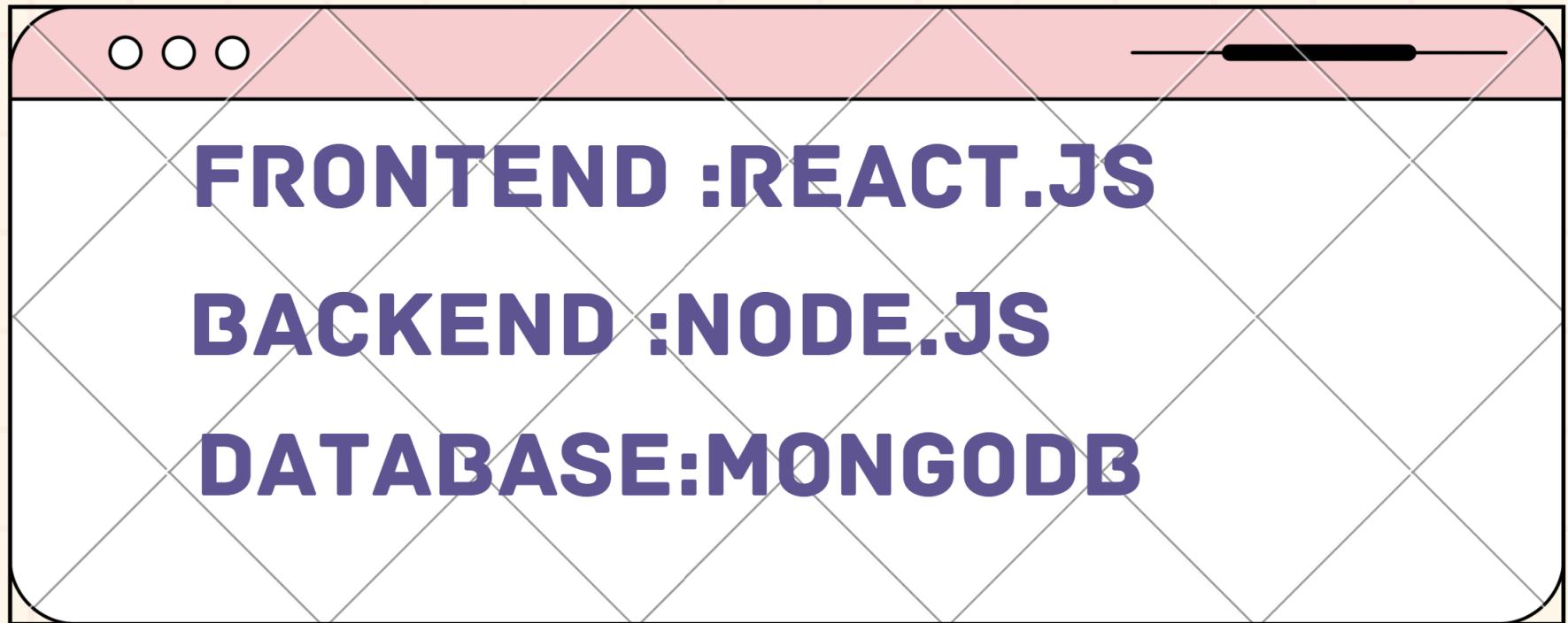
This project aims to develop a web platform for college hostels, automating the student allocation process currently managed manually by wardens. By capturing student details, defining customizable marking criteria, and performing automated calculations, the system will generate transparent rankings, freeing up the warden's time, reducing errors, and significantly increasing the efficiency of hostel admissions.



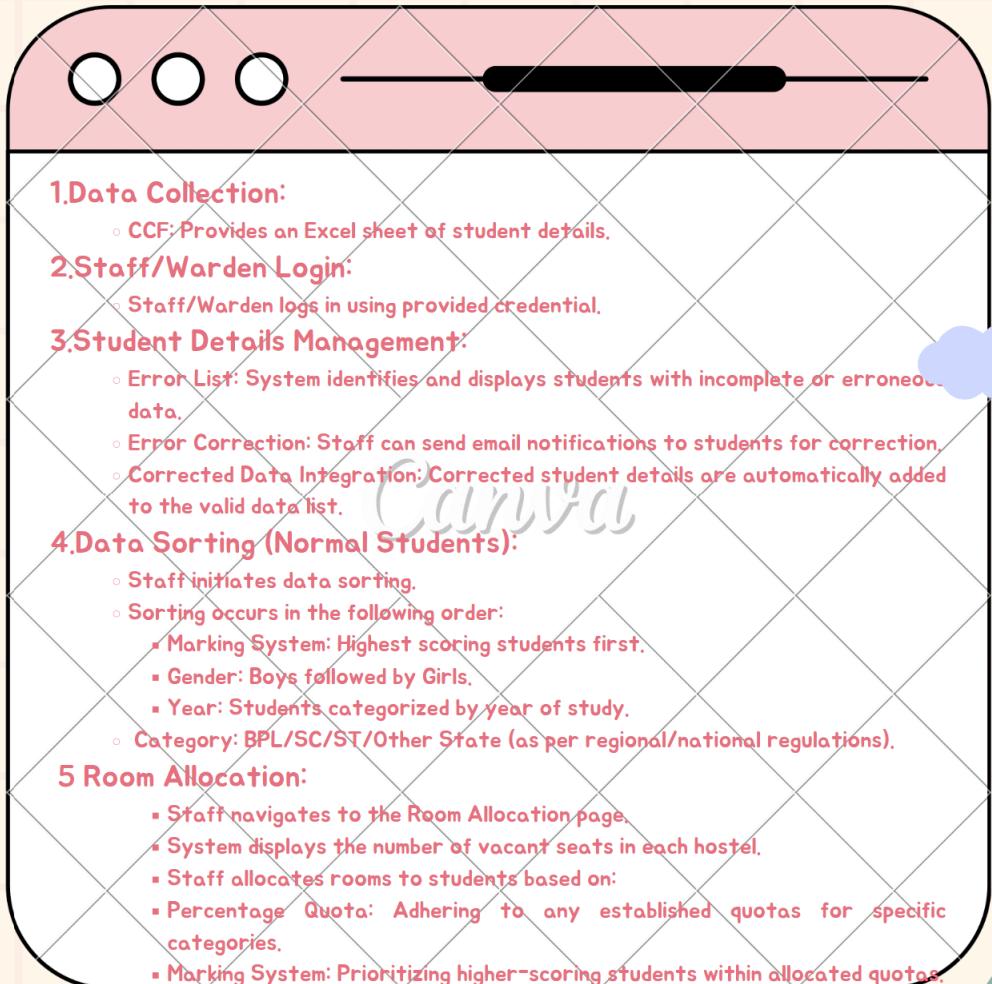
EXPECTED SOLUTION



DEVELOPMENT TOOLS



HOSTEL ALLOCATION PROCESS (SMALL POINTS MODEL)



HOSTEL ALLOCATION PROCESS (SMALL POINTS MODEL)



6. Admission Confirmation:

- System generates a list of students who have been allocated rooms.
- This list is printed and published for student reference.

7. Second Allotment (Optional):

- If seats remain vacant:
- System identifies students from the next waiting list based on the defined sorting criteria.
- Staff generates a new list of admitted students for the second allotment.
- The process repeats until all vacant seats are filled.

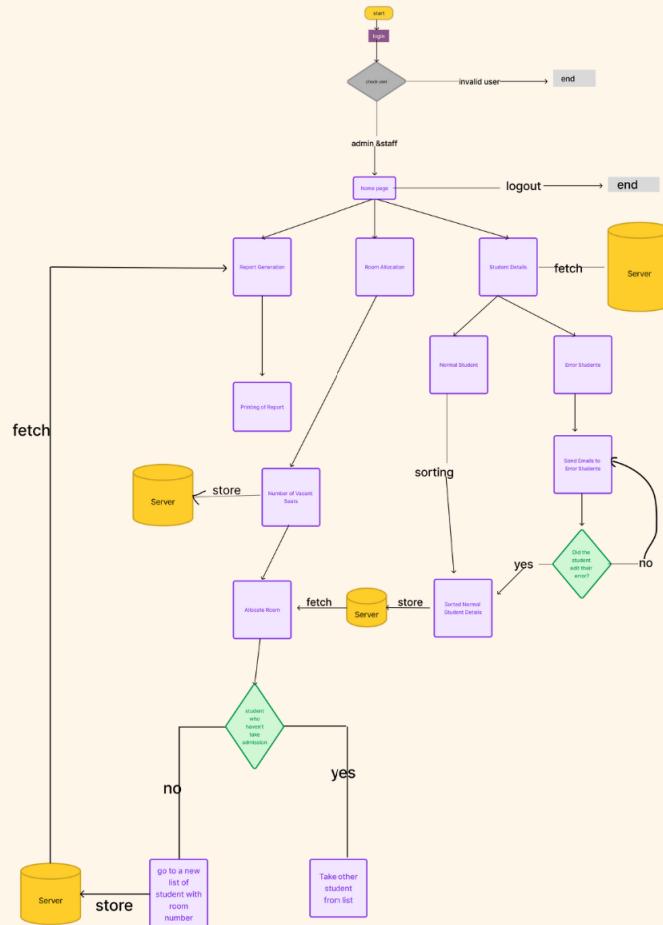
8. Final List Generation:

- A final list of all admitted students is generated and printed for record-keeping.

PROCESS TIMELINE



FLOW CHART



DB MODEL & SCHEMAS

(SAMPLE)

USER

username	string
password	string

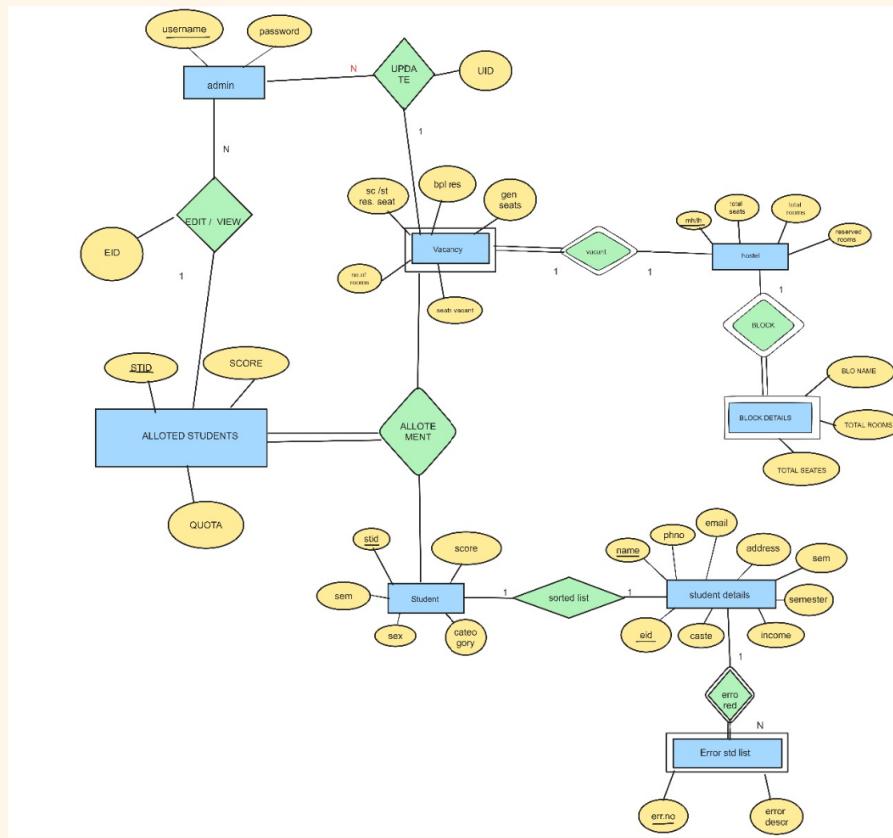
STUDENT

ad no	int
name	string
email	string
income	int
distance	int
category	string

ROOM ALLOCATION

ad no	int
name	string
email	string
income	int
distance	int
category	string
mark	int
room no	int

ER DIAGRAM



Student details

LOGIN

G Google

OR CONTINUE WITH

USERNAME

PASSWORD

LOGIN

Don't have account? [signup](#)

Dashboard

Manage Students details , room allocation and report generation

All Students

Student Details Room Allocation Report Generation

Sl.No	name	gender	category	Admn No	email	Phone	cgpa
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1

error students

send mail

Dashboard
Manage Students details , room allocation and report generation

All Students

Student Details Room Allocation Report Generation

Sl.No	name	gender	category	Admn No	email	Phone	cgpa	mail	EDIT
1	1	1	1	1	1	1	1	mail	EDIT
1	1	1	1	1	1	1	1	mail	EDIT
1	1	1	1	1	1	1	1	mail	EDIT

normal students

ADD

Dashboard
Manage Students details , room allocation and report generation

All Students

Student Details Room Allocation Report Generation

Sl.No	name	gender	category	Admn No	email	Phone	cgpa
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1

Room allocation

Dashboard
Manage Students details , room allocation and report generation

All Students ▼

Student Details Room Allocation Report Generation

AD.NO	NAME	GENDER	CATEGORY	Admin No	Name	Phone	Room no	EDIT
1	1	1	1	1	1	1	1	EDIT
1	1	1	1	1	1	1	1	EDIT
1	1	1	1	1	1	1	1	EDIT

Report generation

2024-25 ▼

Print

YEAR CATEGORY BLOCK

Dashboard
Manage Students details , room allocation and report generation

All Students ▼

Student Details Room Allocation Report Generation

SI.No	SI.No	SI.No	SI.No	Admn No	Name	Phone	Room no
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1

Dashboard

Home

Student details ▾

MH ▾

first year

second year

third year

fourth year

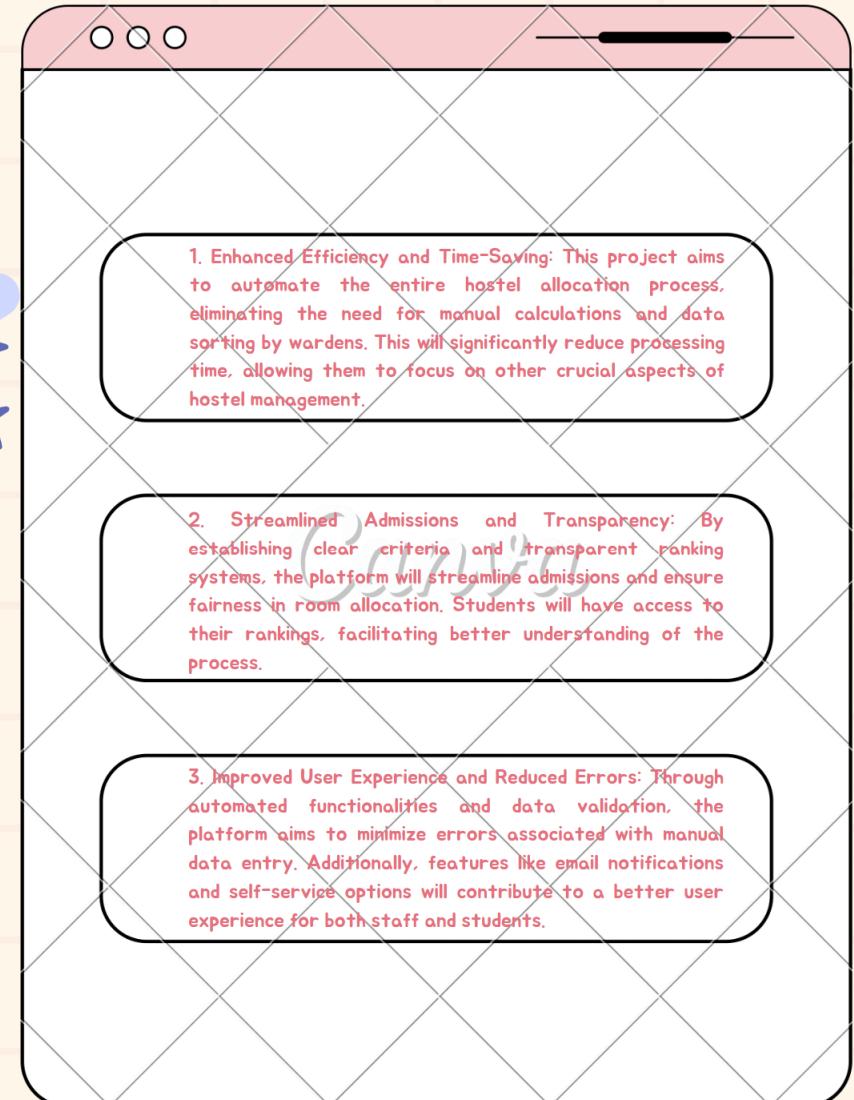
LH ▾

FUTURE MANAGEMENT PLAN

To enhance the platform and cater to future needs, the project's management plan should incorporate functionalities like block-wise sorting, dynamic vacancy updates, year-specific student data, online fee payment integration, and a dynamic mess menu listing system. These additions will provide comprehensive data management, improve user experience, and streamline various hostel-related processes for the long term.



TARGET GOALS





**THANK YOU FOR
YOUR ATTENTION!**