

Hostel Management System

SRS

This system for hostel do manage their daily activities, which includes management of hostel students, wardens, mess, washing machine, dimings Registry, Parents Details, Room Allotment process, Events.

It provides one point access to manage these wide range of activities both effectively and efficiently.

→ system will be used by people

— Admin, students, wardens and

→ Admin can login using various credentials and perform various task such as:

→ Adding a student.

→ Alloting warden.

→ Changing warden.

→ viewing Allotment.

→ viewing student & warden Details.

→ viewing Registry of In and Out.

→ Student can login using various credentials and perform various task such as

→ ~~Request~~ Request to Order food in mess.

→ Vote for today's meal in mess.

→ Apply for particular Room change.

→ Give Feedback regarding warden.

→ & Allote Book time for washing machine.

warden can login with credentials and perform various tasks such as:

- View their profile.
- Maintain Entries in In Out Registry.
- View Students profile.

→ Super Admin is root Node who adds ~~colleges~~ Hostels into system, They can view/delete a college from System.

Classes

Student

Attr: ViewProfile()
Name: String.
HostelName: String
RoomNo: int.
Warden: Warden.
JoinDate: Time.
Floor: int

Ops: ViewProfile()
OrderFood (Menu m, FoodItem f)
VoteFood (Menu m, FoodItem f)
GiveFeedback (Warden)
BookWashingMachine (Time from,
Time to)

Admin

Attr: HostelName: String.
No of Wardens: int
No of Students: int.
Allotment list: list.

Events

Ops: AddStudent()
AddWarden()
DeleteStudent()
DeleteWarden.
ViewStudent()
ViewWarden.

Allotment()
ViewRegistry()

Warden

Attr: Name: String.
HostelName: String
Floor Allot: int.
Join Date: Time.

Ops: ViewProfile()
ViewProfile(Student)
EntryRegistry(^{Student} ~~Entry~~ time t, inDrowd)
ViewFeedback()

Menu

Attr: MenuName: String
Today's Meal 1
Today's Meal 2.
Today's Meal 3
FoodList Item.

Ops: OpenVotingLine()
CloseVotingLine()
ViewReport()