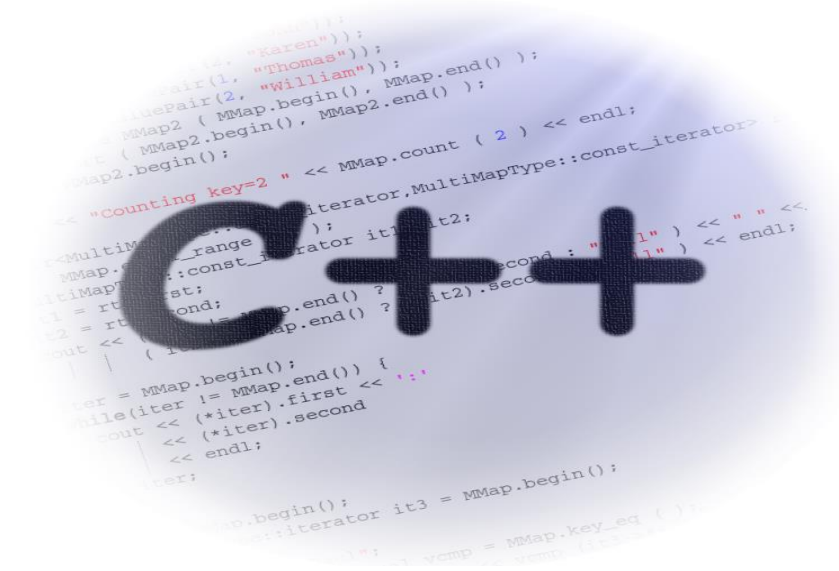




# USER MANUAL

## HOSTEL DBMS



Agrim(team leader)  
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CS 101

Slot 11

Group 9

# INTRODUCTION

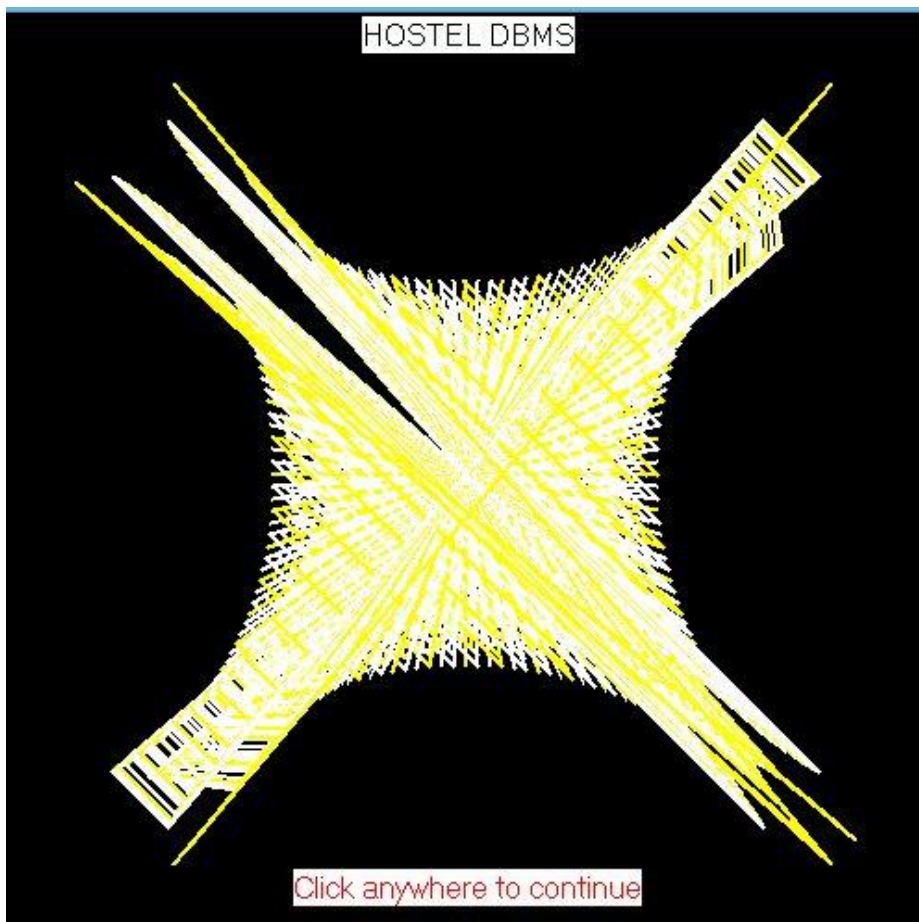
The project was made by us keeping in mind some of the problems faced by hostel mates in IIT

Bombay viz . :-

- a> Less Interaction with hall manager
- b> Room cleaning issues
- c> Availability of washing machine
- d> Absence of a database of students

We tried to assert the problems above in our project.

Secondary purpose of project was to gain some knowledge of OOPS concepts, data file handling in C++, and to sharpen our programming skills .



Project Cover  
page , the design  
shown is created  
using simplecpp

# **END USERS :**

Whilst making the project we have targeted the following end users :-

- i) Hosteliers residing in hostel 15 .
- ii) Security Guards
- iii) Mess co.
- iv) Warden
- v) Shopkeeper
- vi) Workers
- vii) Some arbitrary 3rd person seeking info
- viii) Cult Co.

## **I> Hosteliers**

If you are an hostelier of Hostel 15 , you can login to your homepage using your roll no. as user name and a specified preset passkey (which is stuname1(eg. agrim1) by default) but can be changed.

Once you reach the Homepage, on the bottom left corner you can see messages received from warden.

You can also see the main menu which states the operations you can perform , namely :

a> Modify your record (i.e. change passkey)

b> Register a complaint : Once you register a complaint you insert a tuple in complaints database which will be seen by warden once he logs in.

c> Message warden : You can message the warden to inquire about things like courier etc .

d> Register Lost and Found Query

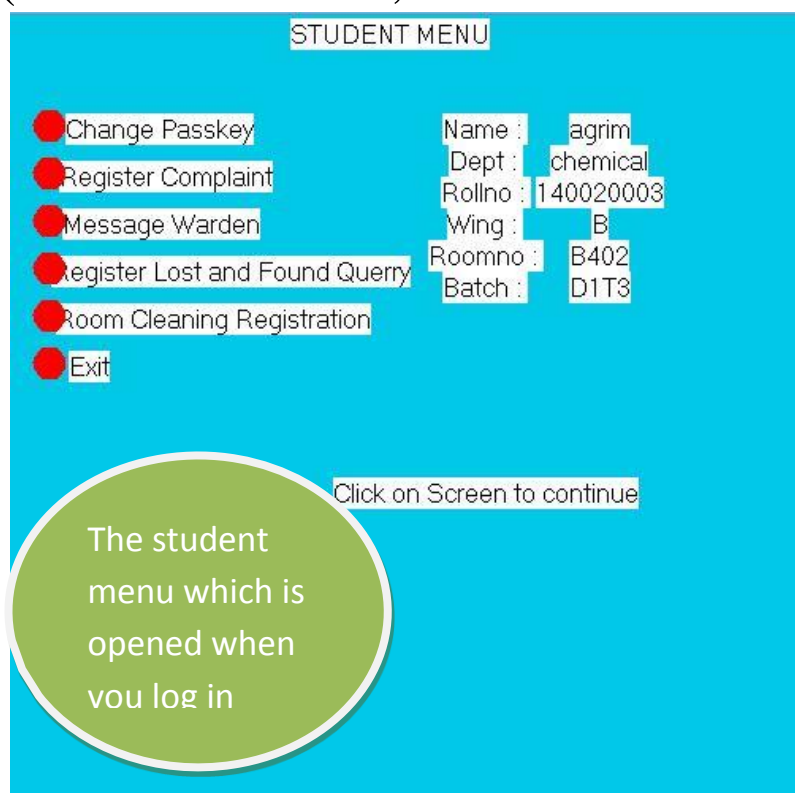
e> Tell the worker to clean the room, reconfirm your password and the program will ping the worker about cleaning of your room .

You can also use the option “Search” in the home menu of the program to search a student using roll no., tutbatch , department and name.

Also you can check TUMTUM timings, Lost and found database, see mess menu under mess option , check out things happening option to see various cult activites.

The way to do things mentioned above is outputted in the program itself.

(do this and that , click here and all)



## II> Security Guard

For Security guards we have the option login as Security Guard using the Unique Identification number and name . You can Perform the following jobs :-

- a> Add data about outside visitors in a txt file.
- b> See your shift timings if you have forgotten them

### III> Mess Co.

You can login through a special key known only to you. Logging in you can modify the mess menu and see the homepage of mess co. Just click on the cell you want to modify, a red rectangle will appear , tell how many items will you add , insert them and mess menu will be modified. (Ref pic below)

Click on appropriate cell to modify its contents,click outside table to exit

	M O N	T U E	W E D	T H U	F R I	S A T	S U N
Breakfst	Poha	Pasta	puri	Dhokla	Paratha	Chana	Khichdi
Lunch	DalFry	Bhindi	Aalu	Chole	Bhindi	DalFry	biryani
Tiffin	Pakoda	Aloo	Noodle	Maggi	Samosa	Noodle	Pasta
Dinner	Arbi	Ghobi	Chicken	Rajma	DalFry	Paneer	Chicken

To change  
“chole” ,  
just click  
inside the  
rectangle

## IV> WARDEN

You can access the warden homepage by stating the passkey given to you. Once you log in you can see the menu in which following options are there :-

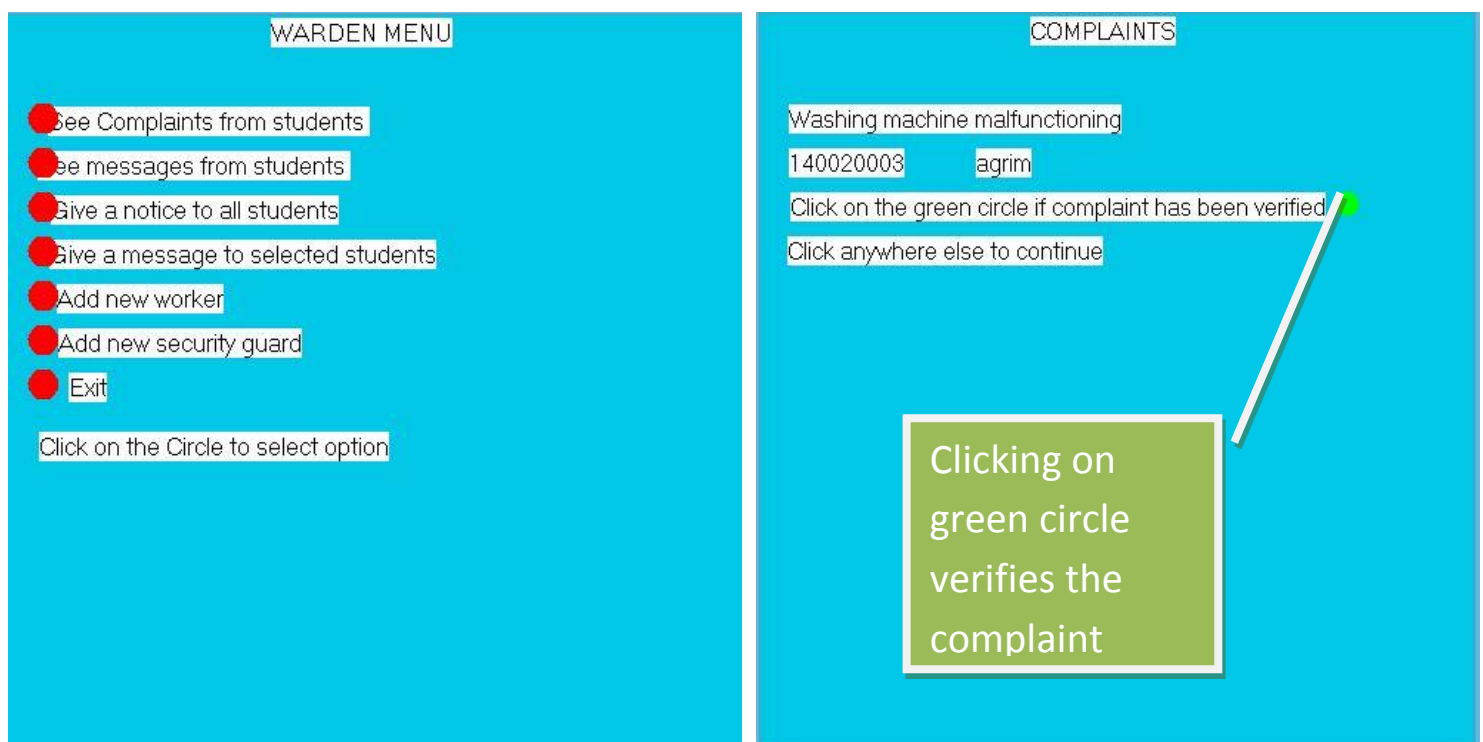
a> See complaints : You can see the complaints and also delete them if you have verified them by clicking on the green button.

b> Send student a personal message

c> Send a notice to all the students.

d> Add a new worker

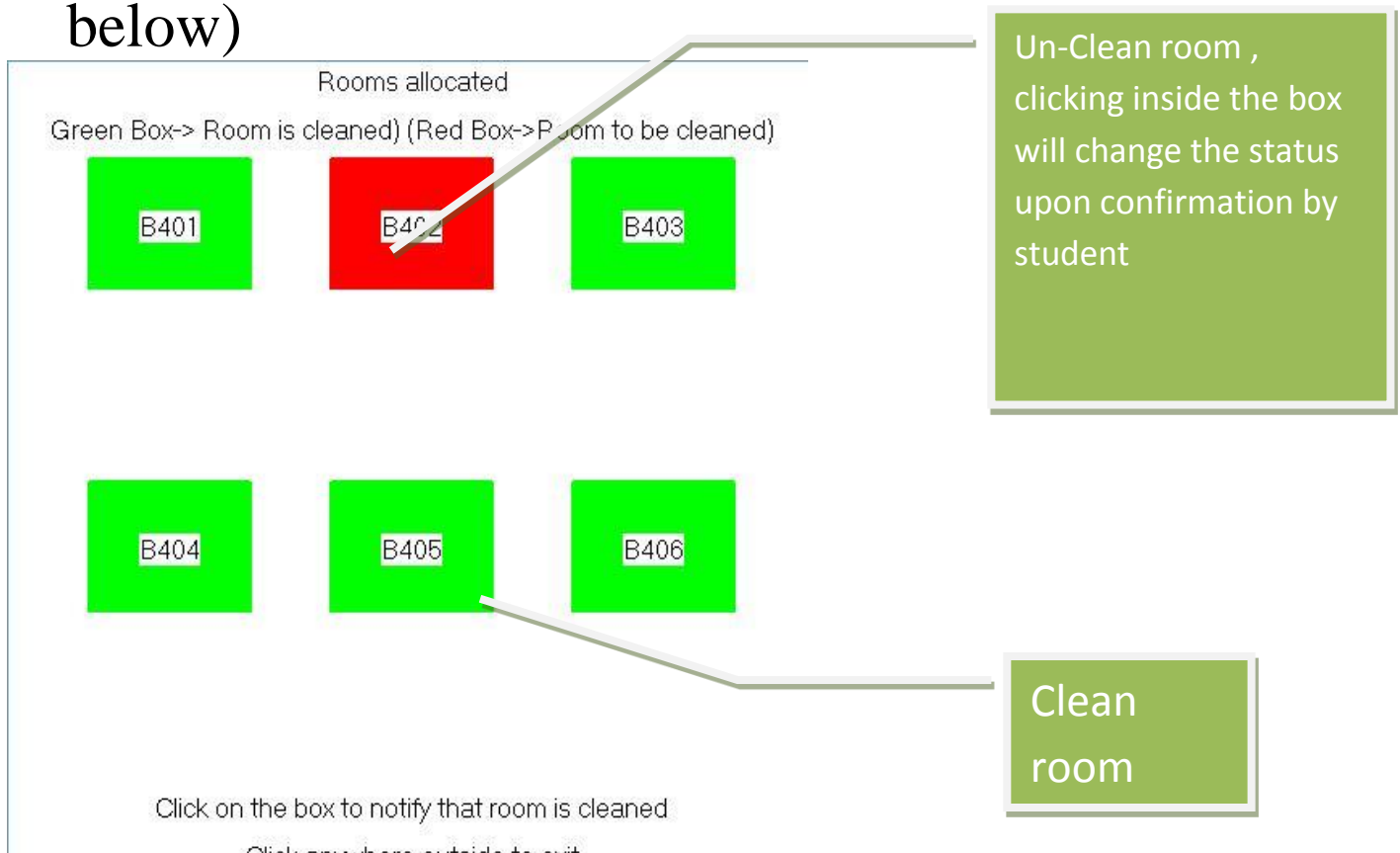
e> Add a new security guard





# V> Worker Login

If you want to access worker homepage you can go to the worker option in mother page. State the worker id assigned and name, and your homepage will be opened. Once there you can see rooms which have been assigned to you for cleaning . Clean rooms are in a green colored box , unclean rooms in red box. You can change status of the rooms by clicking on the box , asking the owner of the room cleaned to give his password and the red color will change to green .(Refer to pic below)



## **VI> Arbitrary 3<sup>rd</sup> Person**

We have build some options which do not require logging in to see them . One such is “SEARCH”, you can search for a particular students by quoting roll no, name, room no ,or if required you can search for whole tutorial batch(in case you are the tutor and wants to gain some info) , or you can search department wise if required . You can also access Things Happening sections , TUM TUM timings and Mess menu .

## **VII> Cult Co.**

To login as cult co, go to the things happening options , choose sign in as cult co , enter your passkey and you get access to your homepage . You can now edit the things happening page. You can add new events, remove past events. All the changes will be reflected back in cult events page.