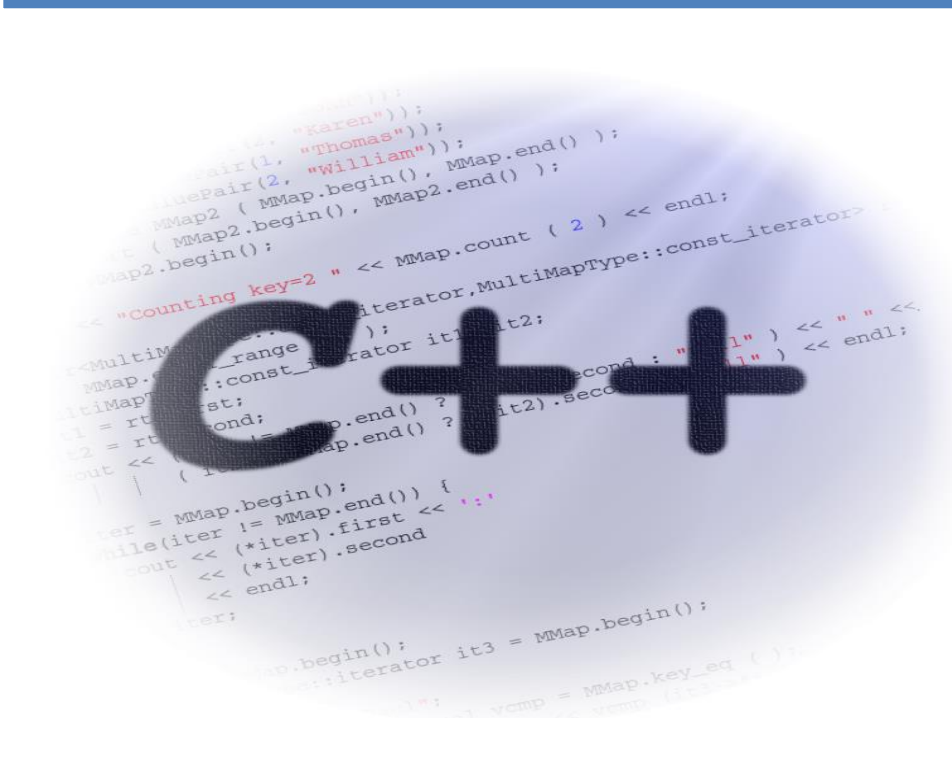




Project Report

Hostel DBMS



CS 101

Slot 11

Group 9

Agrim(Team leader)
Chinmay,Aasim ,Supreet

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1> **INTRODUCTION**

As residents of Hostel 15, we face some common problems which can be very efficiently solved by making a database and using some database concepts along with some manipulation and programming. This inspired us to make a program and try to solve this.

We have used classes, data file handling along with looping concepts and graphics.

2> GROUP MEMBERS

Our TA , Harshad Chavan suggested that the team should consist of

- i) Agrim Gupta (Team Leader)
- ii) Chinmay Sankhe
- iii) Supreet Meena
- iv) Aasim Ansari

Being of same department it ensured that interaction between us was good and healthy.

3> PROJECT DESCRIPTION

The Project aims in solving some commonly faced problems such as unavailability, less interaction with hall manager, room cleaning issues. Also it makes a database of students residing in hostel so that data is readily available for organizers of events /seniors/etc.

The Project basically uses a database of students and their particulars to facilitate database operations such as searching / deleting/inserting new records. We have made a homepage like thing for each student wherein he can see some upcoming events, messages from warden etc .

Students sees his homepage by logging through LDAP id . We have also assigned special sequence numbers so that even workers,mess co, can log in and modify their accounts .

4> **PROJECT FEATURES**

i> Student Login using LDAP ID

- a> Modify Record
- b> Register Complaint
- c> Message Warden
- d> Register Lost and Found Query
- e> Room Cleaning Registration

ii> Search a student

- a> By Roll no.
- b> By Name
- c> By Room no.
- d> By department
- e> By Tutorial Batch

iii> Warden Login

a> See Complaints (You can also verify them)

b> Send a notice (i.e. Message all students)

c> Send a message to a student

d> Add a worker

e>Add a Security officer

iv> TRANSPORT

a>TUM TUM timings

b>Ambulance numbers

v>Mess

a>See mess menu

b>Login as mess co to modify mess menu

vi> Things Happening (orientations,events etc
)

a> See things happening

b> Login as cult co to update the page

vii> Worker Login (Worker ID as login
criteria) he can see which rooms to clean

viii> Security Guard Login

a> Register outside persons coming

b> See shift timings.

5> Work Distribution

Agrim : Teach/Solve doubts about concepts to team members , Coding file handling and functions part ,handling the graphics part,create homepage and cult homepage design,converting code given by teammates into graphics form(cin->cinstr,cout->Text t(x,y,str))

Chinmay : Maintaing diary, making member function , Search Option,Insertion of Data,Making txt file,some documentation part,adding comments, Mess option,Things happening

Aasim: Deletion functions, testing and debugging the code, Worker option

Supreet : Security option, Transport Option ,documentations etc

6> TOOLS USED

Codeblocks compiler with simplecpp graphics integrated system

Windows 8 OS

Microsoft Word 2010

Google Chrome .

7> REFERENCES

a> Lecture Slides of Prof. Supratik Chakraborty and Prof. Deepak Phatak .

b> C++ by Sumita Arora .C++ by E.Balagurusamy. C++ by Prof.Abhiram Ranade.

c> Various blogs and sites on net

d> Wikipedia

8> Some Shortcomings

We had overrated ourselves a bit in first stage. We were not able to add the “shop” feature. We regret for that.

But we did do some pretty neat graphics which we hadn't expected that we'll be able to do.

Hope you forgive us for our mistake.