HOSTEL MANAGEMENT SYSTEM

PROJECT REPORT

Submitted for the course:

DATABASE MANAGEMENT SYSTEM (2004)

BY

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17BCE2421

SLOT: D2

NAME OF THE FACULTY: GEETHA MARY A.

ACKNOWLEDGEMENTS

We have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

We are highly indebted to VIT for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project. We would like to express our gratitude towards our Faculty **Dr GEETHA MARRY A.** for her kind cooperation and encouragement which helped us completes this project. Our thanks and appreciations also go the team members in developing the project and willing to help each other out with their abilities.
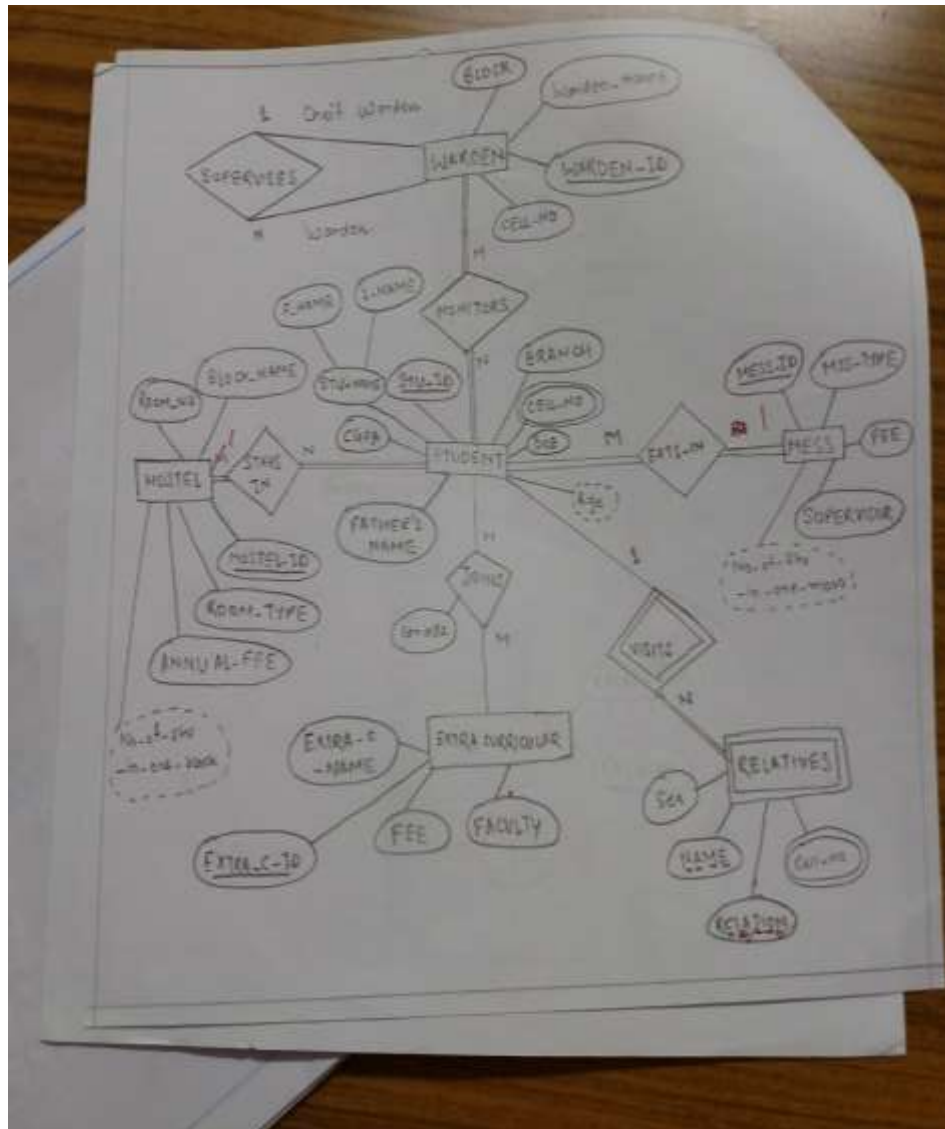
ABSTRACT

"HOSTEL MANAGEMENT SYSTEM" is a mini project developed in MySQL for managing various activities in the hostel. For the past few years the number of educational institutions is increasing rapidly. Thereby the number of hostels is also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the data required on managing a hostel and helps perform some queries to derive any set of information. Identification on how the system is vulnerable to SQL injections along with multi-lingual data support. We can improve the efficiency of the project by normalization, thus overcome the drawbacks of the existing system. The system is more user friendly as MySQL Workbench provides GUI support.
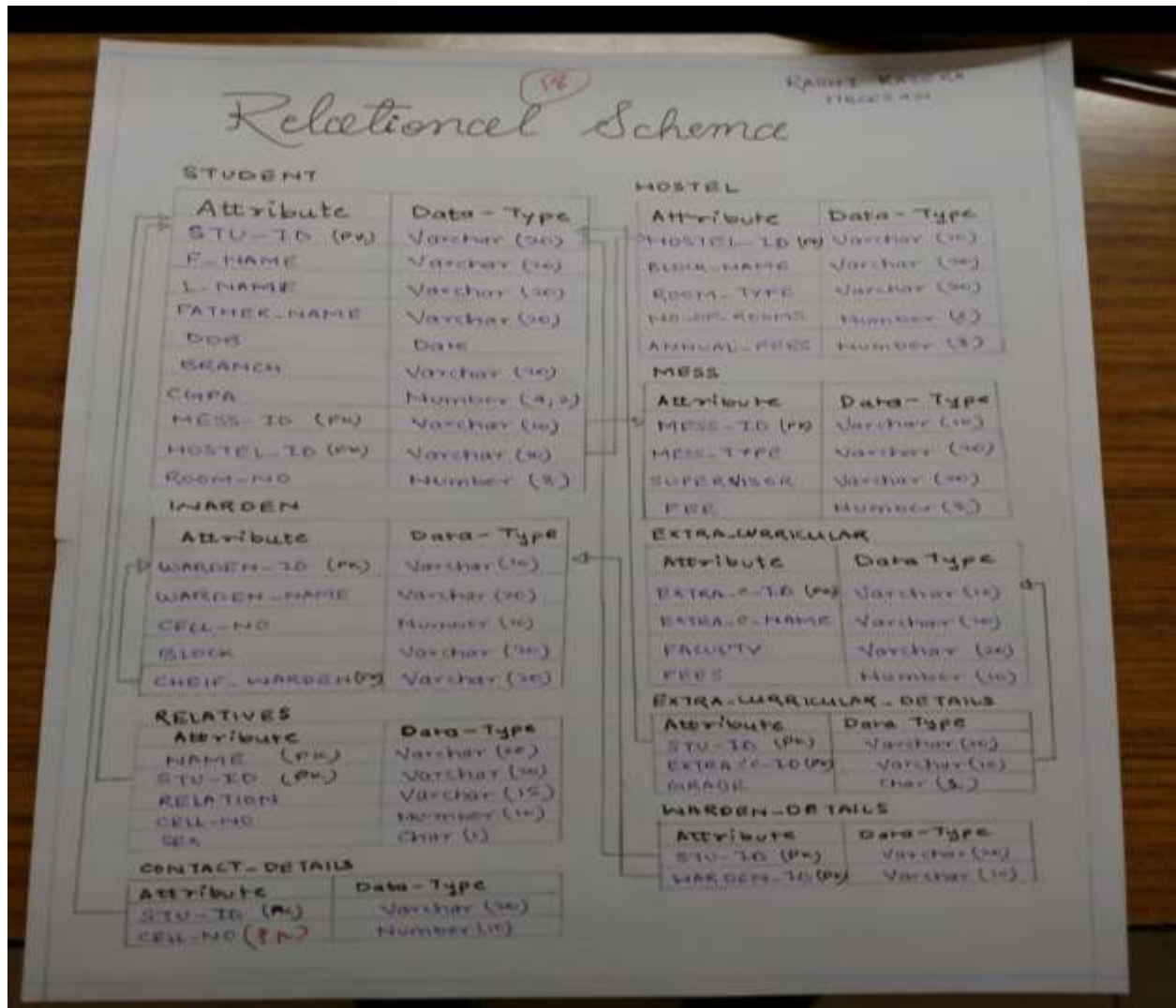
PROBLEM STATEMENT

➢ A student lives in one hostel. A hostel contains many students. There are different blocks of hostel and each block has a Hostel ID. Each block has different type of room and different number of rooms. The annual fees of each block differ.

➢ Each student is chooses a mess. A mess contains many students. There are different types of mess and each mess has a unique Mess ID. Each mess is supervised by a supervisor.

➢ One or more wardens are there in one block of hostel to take care of n number of students.

➢ Students have a choice to get two credits by opting for anyone extra-curricular activity. Grade for the two credit course will be given by the faculty in charge of that activity.

If the relatives of the students come to visit them, they may avail the facilities offered to the student's relatives.
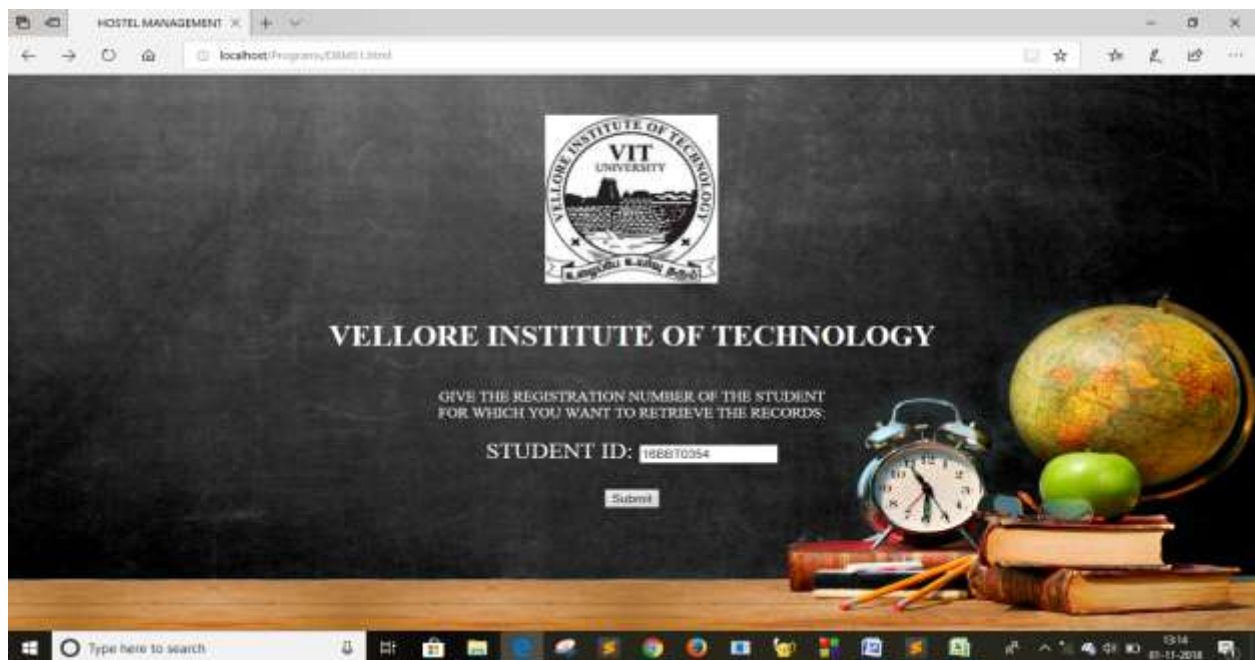
ER-DIAGRAM

RELATIONAL SCHEMA

CODE OUTPUT:

RETRIEVE:

INSERT:

VELLORE INSTITUTE OF TECHNOLOGY

GIVE THE DETAILS OF THE NEW STUDENT:

STUDENT ID: 17BCE2433

FIRST NAME: RASHI

LAST NAME: KASERA

FATHER_NAME: NAMAN

DATE OF BIRTH: 01-11-2018

BRANCH: COMPUTER SCIENCE

CGPA: 8

MESS ID: GV111

HOSTEL ID: GAC22

ROOM_NO: 234

Submit

Id	Firstname	Lastname	FATHER'S NAME	DOB	BRANCH	CGPA	HOSTEL ID	MESS ID	ROOM NO
				0000-00-00		0.00			0
16BBT0354	SRESTH	MITRA	ANIMESH	1998-12-21	BIOTECHNOLOGY	8.76	BV111	BAC22	305
16BME0098	RITWIK	DHANJANI	PRAMOD	1997-03-04	MECHANICAL	8.65	BV111	BNAC11	237
17BCE2421	PRIYA	AGARWAL	MANOJ	1998-12-21	COMPUTER	9.00	GNV222	GAC22	472
17BCE2433	RASHI	KASERA	NAMAN	2018-11-01	COMPUTER SCIENCE	8.00	GV111	GAC22	234
17BCI0215	BHAVYA	GHOSH	RAHUL	1999-07-12	COMPUTER	8.00	GNV222	GNAC11	237
18BBT0048	KUNMUN	NAYAK	PURNA	1999-07-15	BIOTECHNOLOGY	10.00	GV111	GAC22	472
18BEC0022	RISHABH	BHUTORIA	GOURAV	2000-12-02	ELECTRONICS	9.32	BNV222	BNAC11	305

UPDATE:

I

Id	Firstname	Lastname	FATHER'S NAME	DOB	BRANCH	CGPA	HOSTEL ID	MESS ID	ROOM NO
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16BME0098	RITWIK	DHANJANI	PRAMOD	1997-03-04	MECHANICAL	8.65	BV111	BNAC11	237
17BCE2421	PRIYA	AGARWAL	MANOJ	1998-12-21	COMPUTER	9.00	GNV222	GAC22	472
17BCE2433	KHUSHI	KASERA	NAMAN	2018-11-01	COMPUTER SCIENCE	8.00	GV111	GAC22	234
17BCI0215	BHAVYA	GHOSH	RAHUL	1999-07-12	COMPUTER	8.00	GNV222	GNAC11	237
18BBT0048	KUNMUN	NAYAK	PURNA	1999-07-15	BIOTECHNOLOGY	10.00	GV111	GAC22	472
18BEC0022	RISHABH	BHUTORIA	GOURAV	2000-12-02	ELECTRONICS	9.32	BNV222	BNAC11	305

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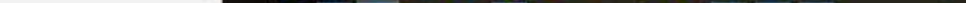
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GIVE THE REGISTRATION NUMBER OF THE STUDENT
FOR WHICH YOU WANT TO DELETE THE RECORDS:

STUDENT ID: 17BCE2433

Submit

Id	Firstname	Lastname	FATHER'S NAME	DOB	BRANCH	CGPA	HOSTEL ID	MESS ID	ROOM NO
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16BBT0354	SRESTH	MITRA	ANIMESH	1998-12-21	BIOTECHNOLOGY	8.76	BV111	BAC22	305
16BME0098	RITWIK	DHANJANI	PRAMOD	1997-03-04	MECHANICAL	8.65	BV111	BNAC11	237
17BCE2421	PRIYA	AGARWAL	MANOJ	1998-12-21	COMPUTER	9.00	GNV222	GAC22	472
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18BBT0048	KUNMUN	NAYAK	PURNA	1999-07-15	BIOTECHNOLOGY	10.00	GV111	GAC22	472
18BEC0022	RISHABH	BHUTORIA	GOURAV	2000-12-02	ELECTRONICS	9.32	BNV222	BNAC11	305

CONCLUSION:

Helpful to perform paperless work and manage all data.
Provides easy, accurate, unambiguous and faster data
access.

Future enhancements:

- The Project can be implemented in multiple languages.
- Normalization can be extended thoroughly.
- SQL injection prevention measures can be implemented.

Other possible modules:

- Academic
- Attendance Management
- Lab Management
- Library

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