



Hostel-Management-System

Database Management System

Assignment-001

(UE 19CS302)

Section: G

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Problem statement

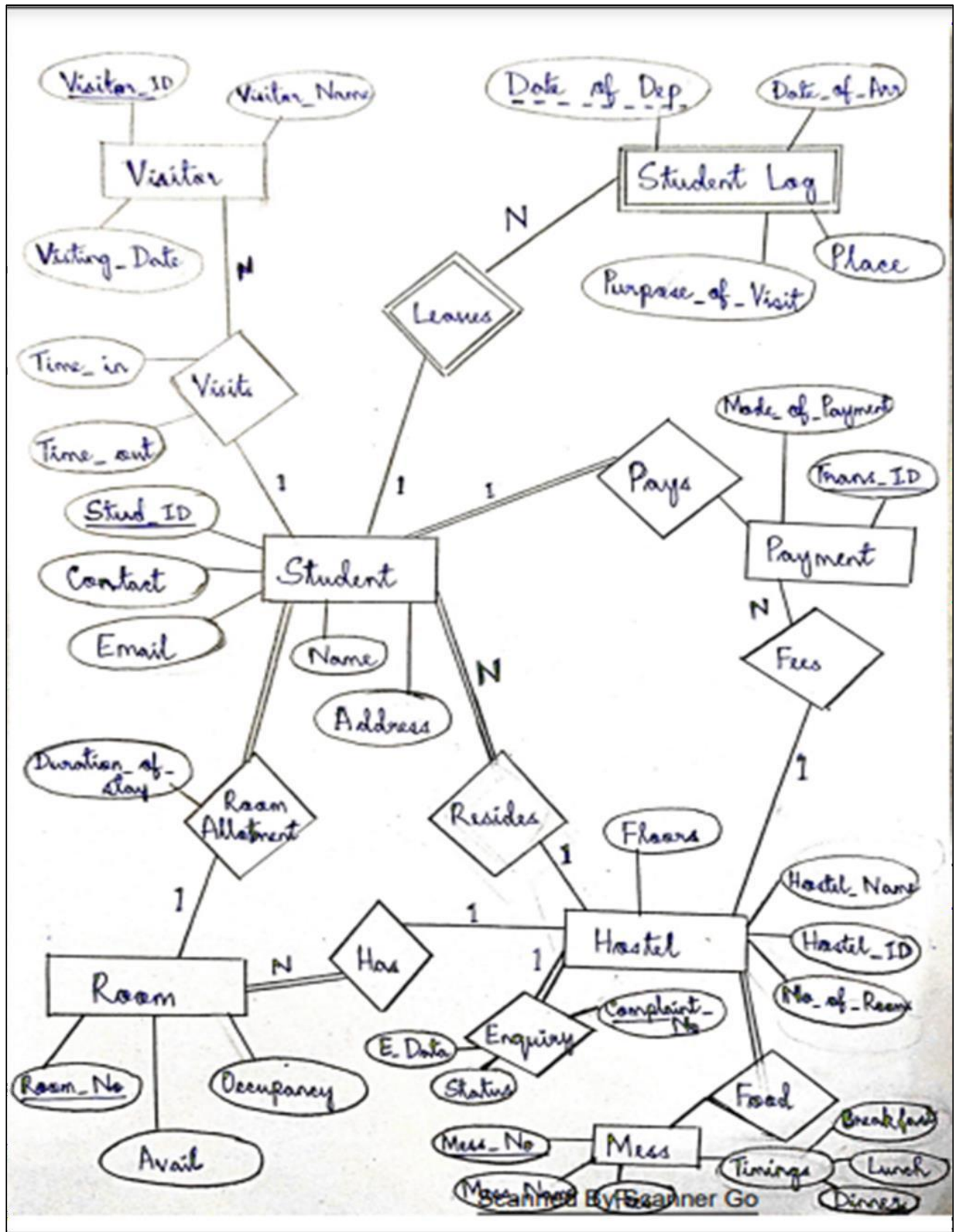
Hostel Management System:

In this project, we have designed a database management system to organize and store information about college hostels. This database contains information about students, the rooms, hostels and messes they are assigned to, a visitor and student log etc. It also stores admin information and complaints that are lodged by the students. The main aim of this project is to efficiently store and retrieve student information. Our design helps facilitate convenient management of data, by computerizing most of the work and getting rid of manual entry and record systems.

ER Model Assumptions

- A Student can reside in one hostel room. Multiple students can stay in a single hostel room. Each student is allotted a hostel room.
- Each hostel is assigned a mess. A mess can provide food for multiple hostels.
- A student can have multiple visitors.
- Every student has to make a payment towards the hostel. A student can make multiple payments too.
- Admins are allotted to each hostel. A hostel can have multiple admins.
- A student can have multiple logs in STUDENT_LOG, for each time they leave the hostel.

All the stages of ER diagram (hand-drawn) - snapshots



Hostel Management System

ER tool used - brief write up about the tool. Indicating why you chose this tool, is it open-source etc.

SmartDraw is a diagram tool used to make [flowcharts](#), [organization charts](#), [mind maps](#), [project charts](#), and other business visuals. SmartDraw has two versions: an online edition and a downloadable edition for Windows desktop.

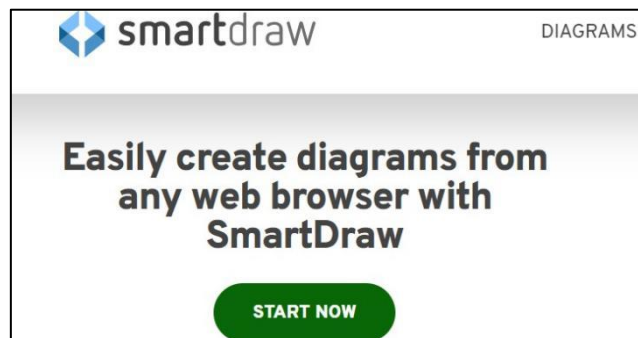
Smart Draw is a full-featured designing application that provides you with all the essential tools and functions you are required to make professional and perfect sketches, UML Diagrams, flowcharts, engineering diagrams and more.

SmartDraw integrates with [Microsoft Office](#) products including [Word](#), [PowerPoint](#), and [Excel](#) and [G Suite](#) applications like Google Docs and Google Sheets. SmartDraw has apps for Atlassian's [Confluence](#), [Jira](#), and [Trello](#). SmartDraw is compatible with Google Drive, Dropbox, Box, and OneDrive

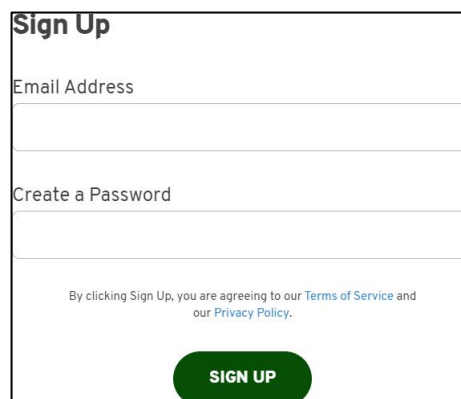
Reference links and installation steps for the tool
- as applicable.

Go to <https://www.smartdraw.com/software/smartdraw-online.htm>

Click the Start Now button

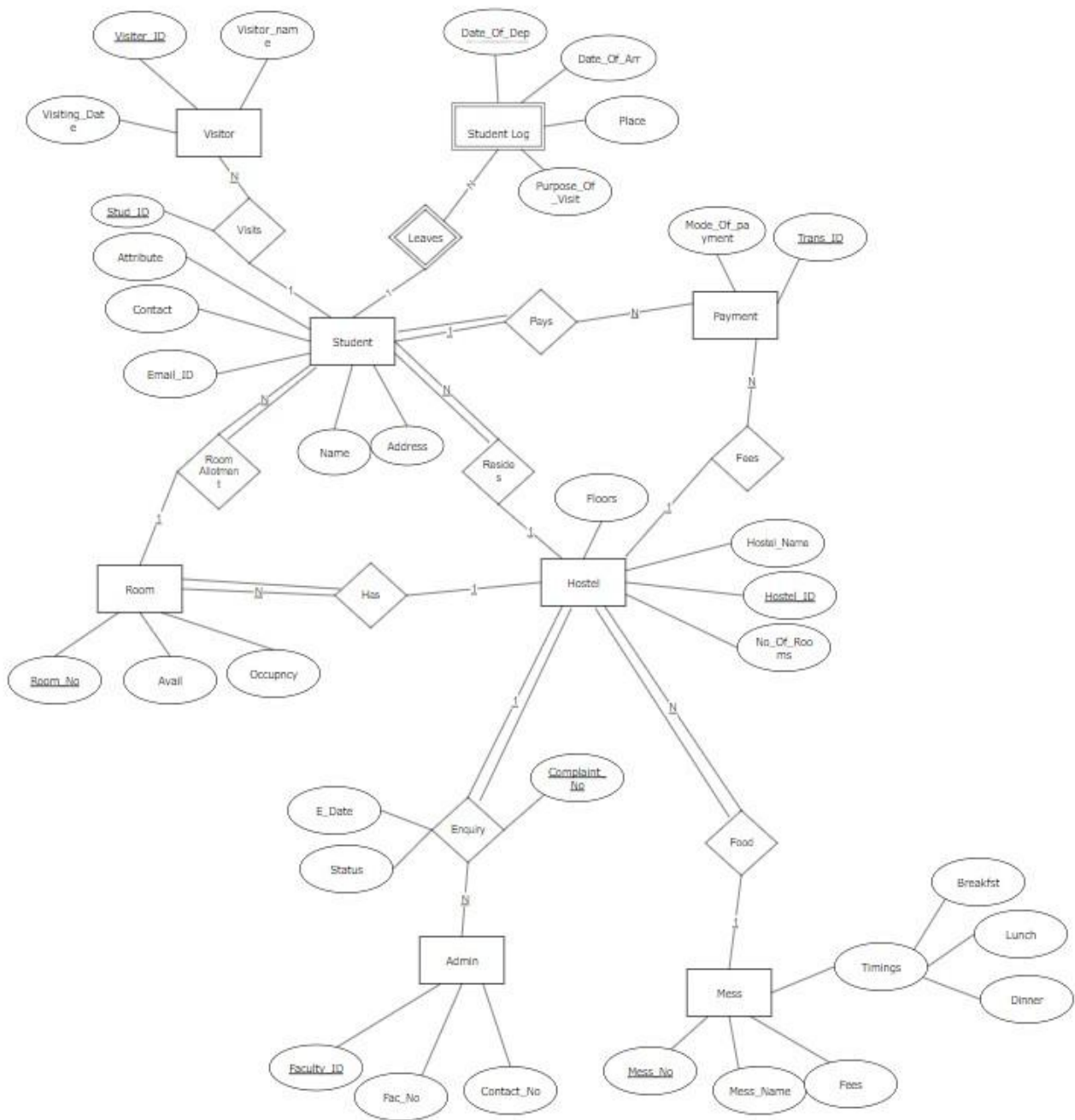


Sign up with an appropriate email-id and password.

A screenshot of the SmartDraw 'Sign Up' form. The form has a title 'Sign Up' at the top. Below the title are two input fields: 'Email Address' and 'Create a Password'. Below these fields is a line of text: 'By clicking Sign Up, you are agreeing to our [Terms of Service](#) and our [Privacy Policy](#).' At the bottom of the form is a green rounded rectangular button with the text 'SIGN UP' in white.

You can then start using the SmartDraw Tool on your browser without any additional installations.

Final ER diagram - soft copy.



Hostel Management System

Indicate contribution of each member clearly and approximate time spent in hours for the respective activity.

Name	Contributions	Time spent
Suhan B Revankar	Problem Statement, Report.	2 Hours
Vyshak R	ER-Diagram(Soft copy using tools).	2 Hours
Traimbak Mahabal Bhat	ER-Diagram(Hard Copy by hand on paper).	2 Hours
