Database Management System DBMS

Assignment- 1 Report

Team Details:

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Project Title: Event Registration Management System

Problem Statement

Introduction: Various events take place in colleges and event management has always been a topic of concern. Maintaining registrations being a part of event management is always done manually. The data might not be organized properly Also, retrieving and updating registration details is difficult. Thus, our project is to simplify this task and make it more efficient.

Overview:

Our goal with this project is to simplify this task, by developing a user-friendly application. Our application will use MySQL DB to store the data and for the User interface we have proposed using HTML, CSS, Bootstrap, JSP and javascript (part of assignment 4). We will also be implementing multi user accessing the application as the user

and the admin. The user (participant) will be able to register to events with ease and the Admin (organizer) will be able to update/manage events accordingly (part of assignment 3) .

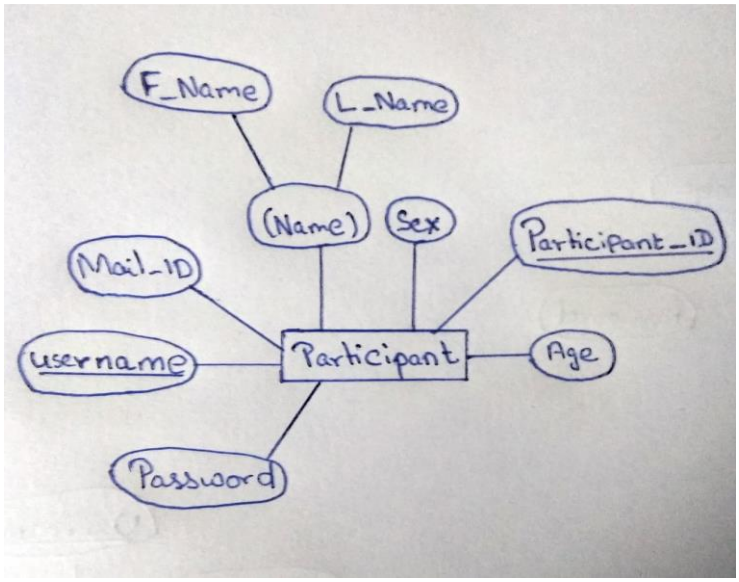
Entity Relationship Diagram:

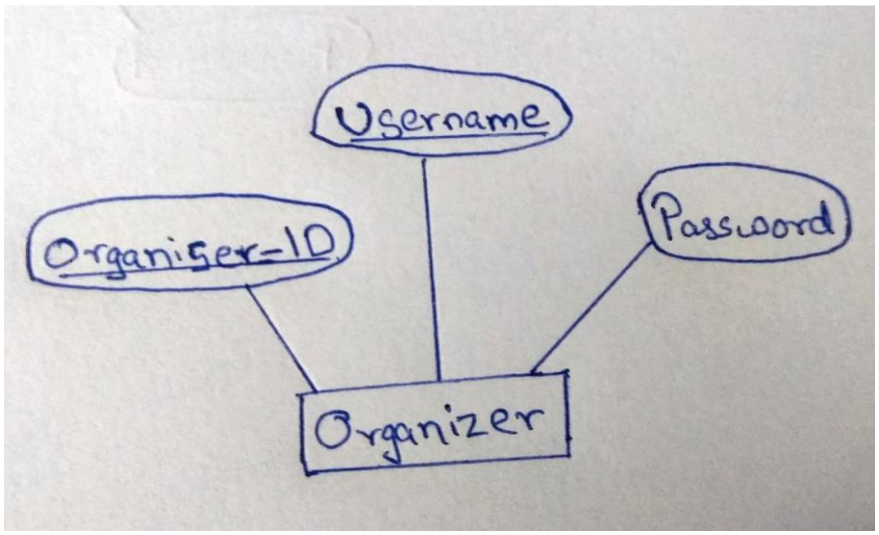
1) Preliminary Design:

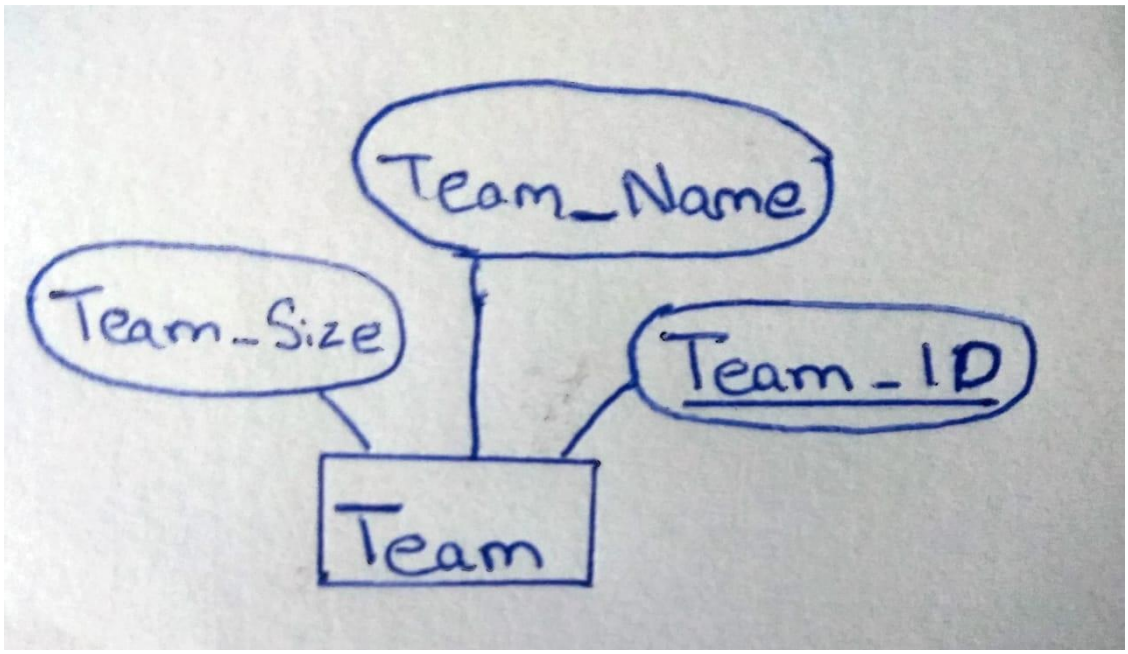
Based on the requirements, we can identify eight initial entity types in the pharmacy database:

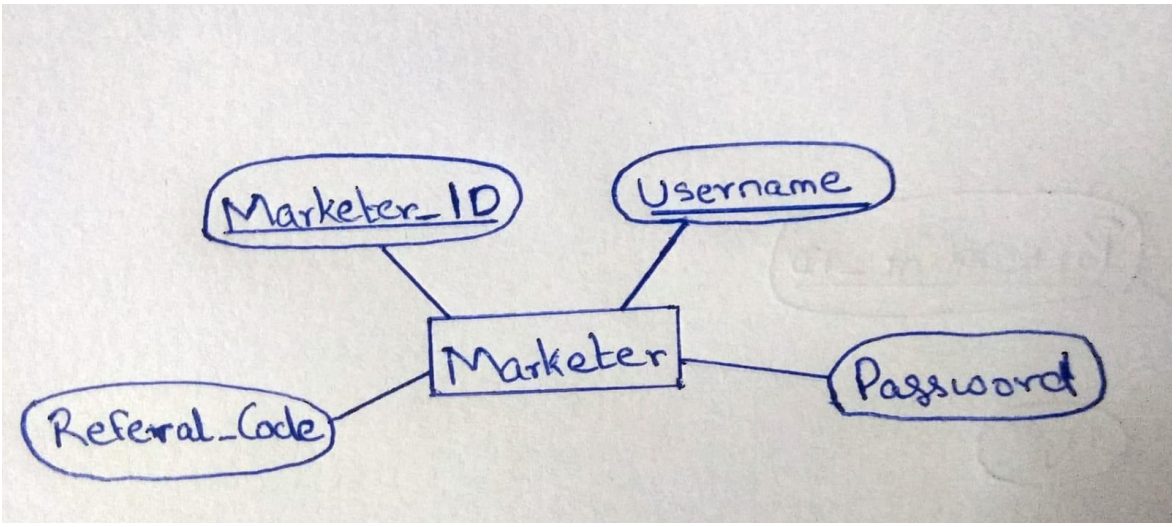
1. Participant
2. Organizer
3. Marketer
4. Team
5. Register
6. Payment Details
7. Ticket
8. Event

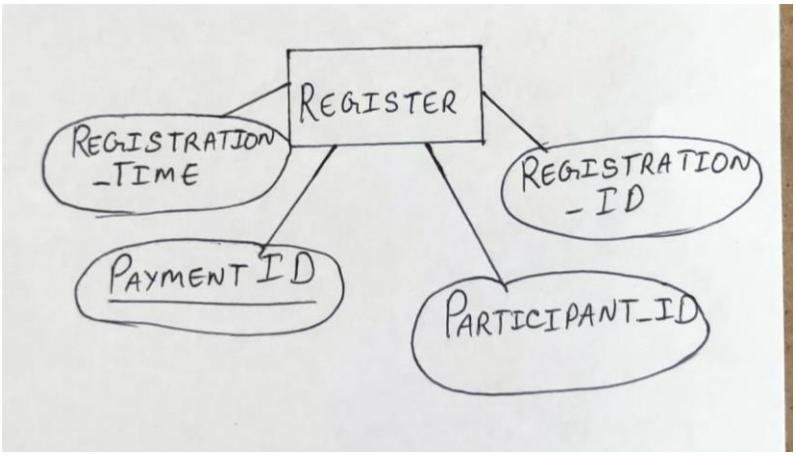
The initial attributes are derived from the requirements description and the conceptual design is shown below:

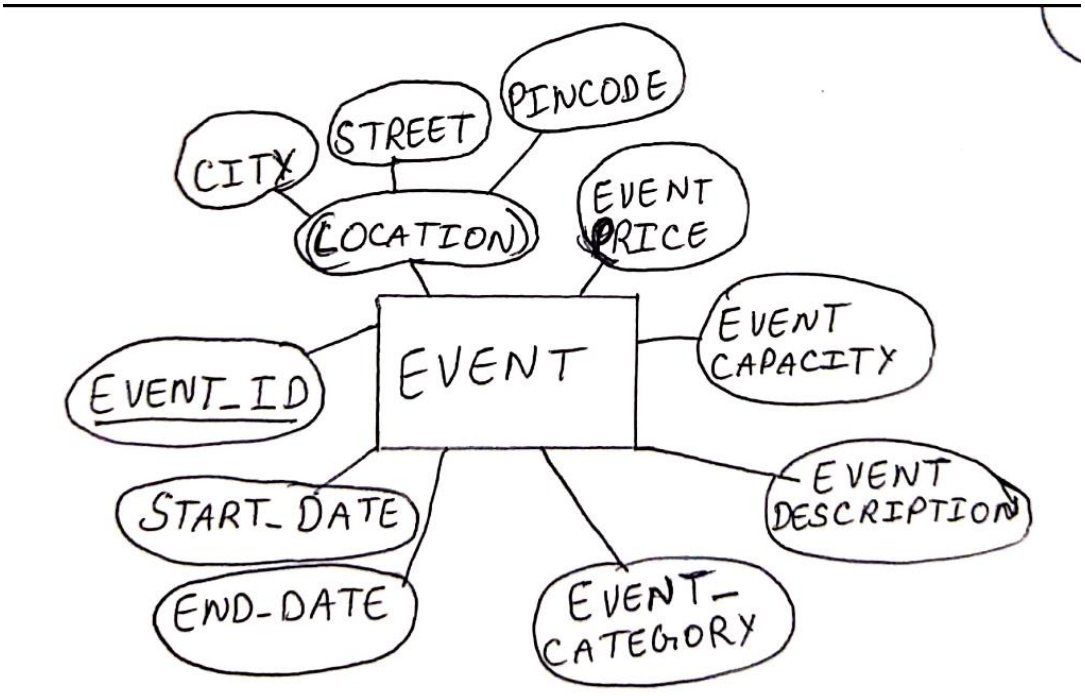

F_Name
L_Name
(Name)
Sex
Participant_ID
Mail_ID
username
Participant
Age
Password

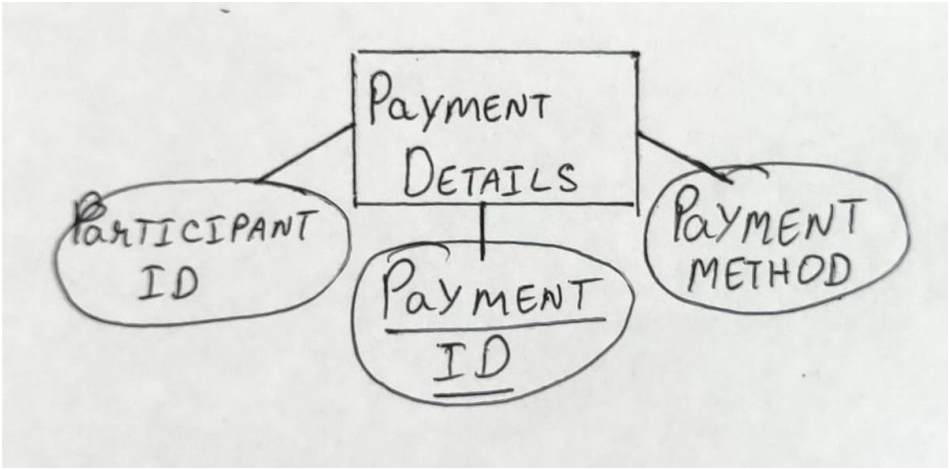

Username
Organiser-ID
Password
Organizer

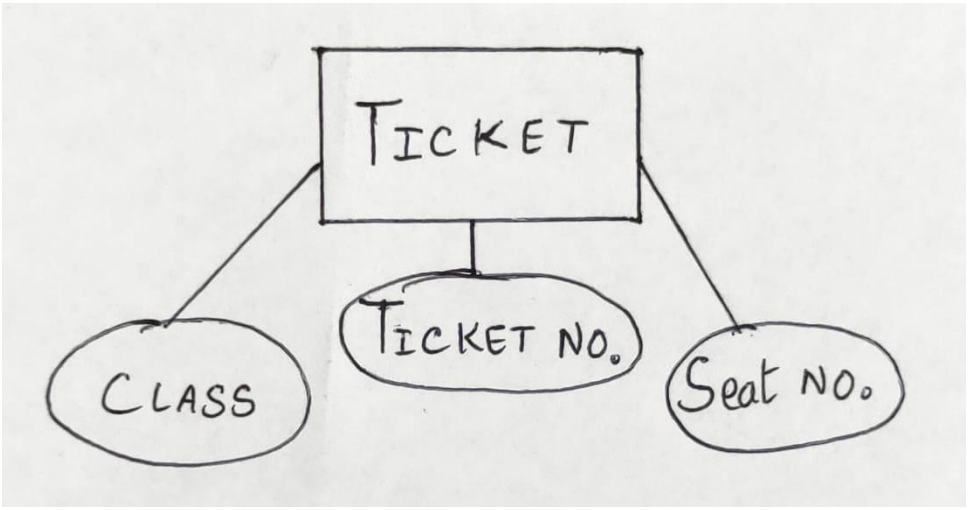

Team_Name
Team_Size
Team_ID
Team


Marketer_ID
Username
Marketer
Password
Referal_Code

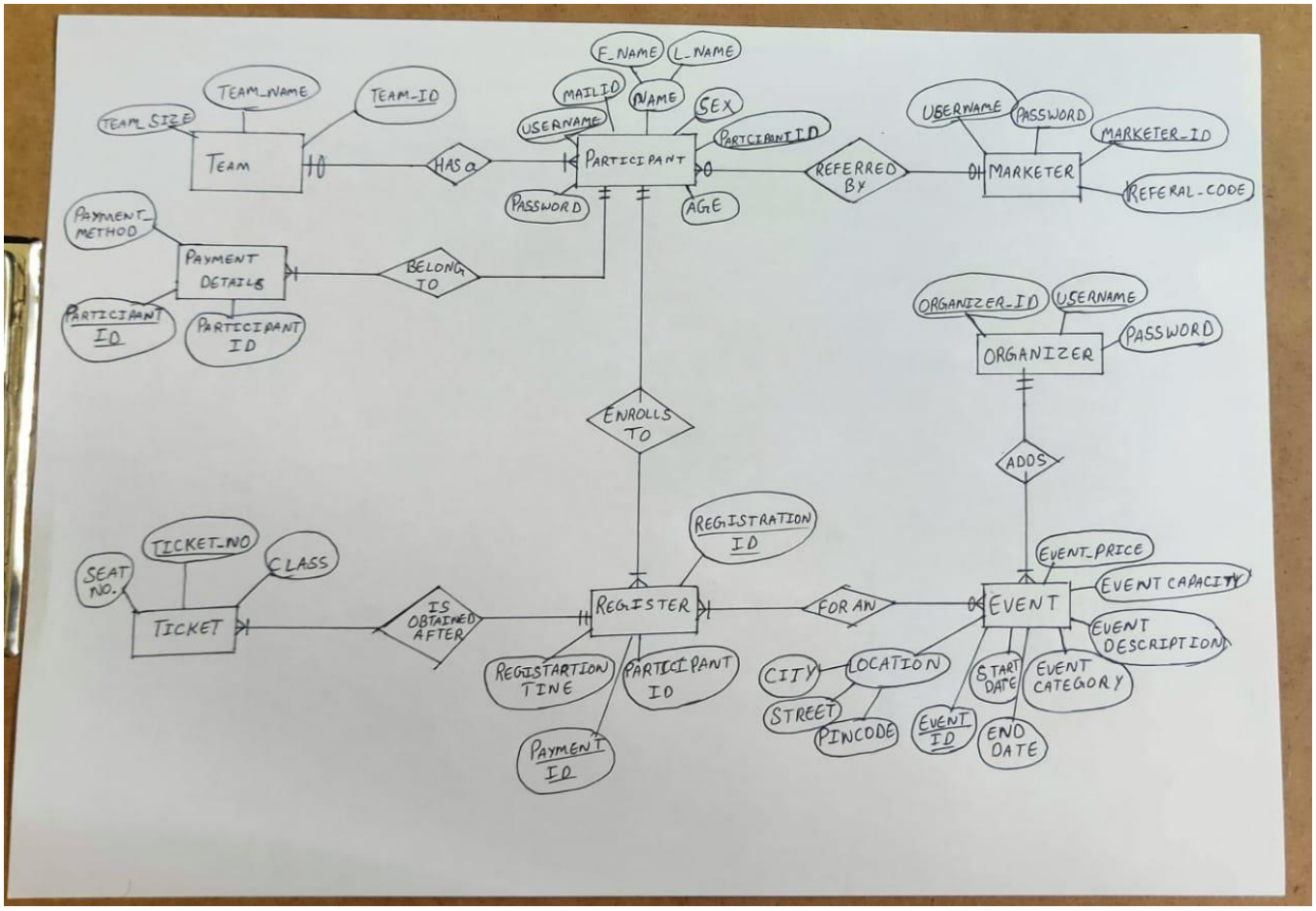

REGISTER
REGISTRATION_TIME
REGISTRATION_ID
PAYMENT ID
PARTICIPANT_ID


PINCODE
STREET
CITY
LOCATION
EVENT PRICE
EVENT
EVENT_ID
EVENT CAPACITY
START_DATE
EVENT DESCRIPTION
END-DATE
EVENT_CATEGORY


Payment Details
Participant ID
Payment ID
Payment Method


Ticket
Class
Ticket No.
Seat No.

2) Final ER Diagram:



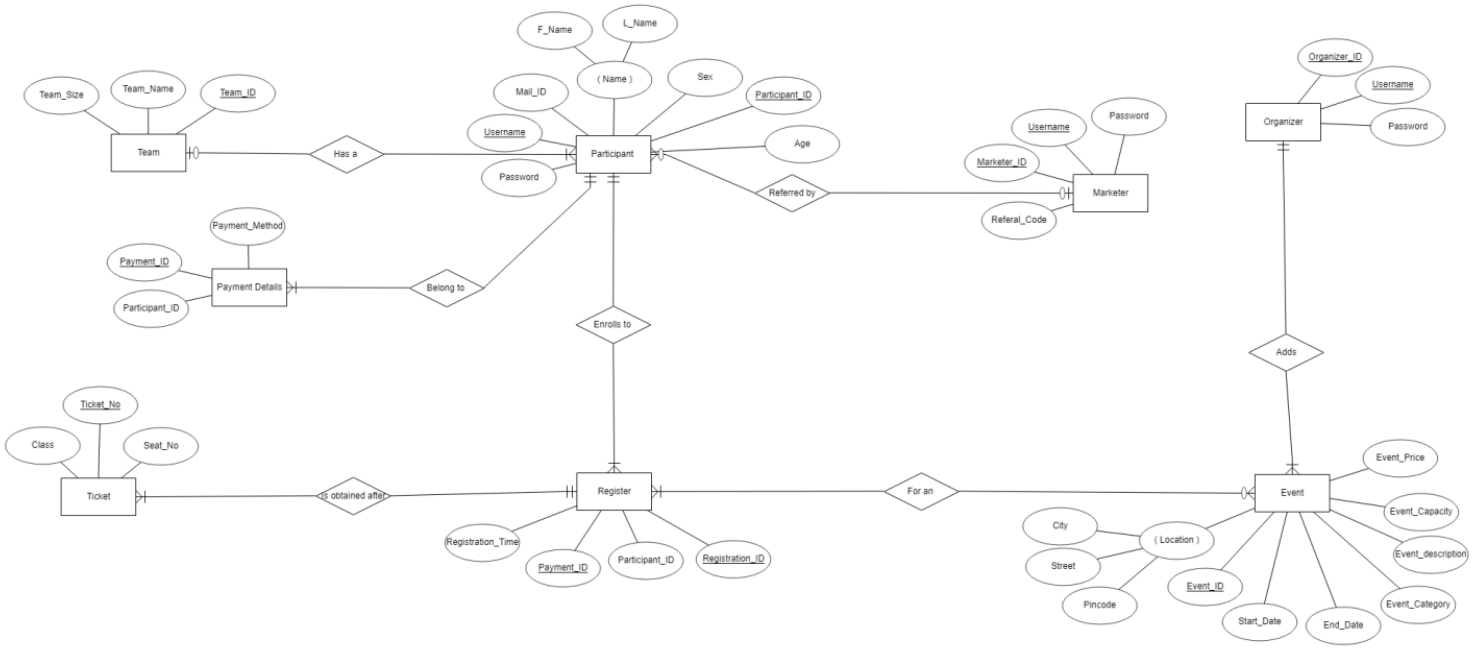
Entity Relationship Tool : ERDPlus.com

- It is free to use and easily accessible.
- It is very easy to use this tool for producing quality ER diagrams.
- Since the tool is free to use and completely web-based, there is no installation needed.

- Easily create Relational Schemas (Relational Diagrams)
- Automatically convert ER Diagrams into Relational Schemas
- Export SQL or Export diagrams as a PNG

We can use it at https://erdplus.com/

Final Tool Generated ER Diagram



Individual Contributions

Assignment 1 was majorly a group task since we had to reason about the future of this group, so majority of time was spent envisioning the scalability of this project and what entities would be relevant. it took us approximately 5 hours to complete the assignment.

- K K Tarun Kumar (PES1UG19CS222) - Operating ER tool ERDPlus, Final Tool generated ER diagram

- Koushik Varma Mandapati (PES1UG19CS230) - ER diagram, Incremental stages of constraints in ER diagram.

- Kosaraju Bhargava Krishna (PES1UG19CS225)- Problem statement, Overview and Report Writeup.