concept
event
management

EVENT MANAGEMENT SYSTEM

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ABSTRACT

The project focuses on automating the tasks involved in organising an event. The application is implemented as a website which allows user to organise events once after they register. The server side script will be written in such a way that it authenticates the user user using a confirmation mail to avoid bots. The implementation is done in a modular way using MVC architecture which would provide a high level abstraction to the database handler. The development will ensure that the input strings are sanitized to avoid injection of database.

ENTITY LIST

- USER - This entity includes all the people who have registered with the community and their login details.
- ORGANISER - This entity holds information about the event organiser who is also a user of the community. This entity holds details about the event and cost of organisation.
- PARTICIPANT -This entity holds information about the user who registered with an event.
- EVENT - This entity contains the detail of events that are being organised and also the details about location.
- VOLUNTEERS - This entity contains information about the users who offered to assist the event manager in organising an event.
- LOCATION - This table contain information about various locations that are available to conduct an event.
- PHONE - This entity holds all the phone numbers that are used to register with the community.
- RENT&PHONE - This entity holds information regarding the rent and the contact number of particular location.

ATTRIBUTE LIST

- USER(user_id,name,password,email,city,state,zipcode)
- ORGANISER(o_id,name,email,bill,user_id,e_id)
- PARTICIPANT(p_id,name,email,entry_charge,e_id,v_id,user_id)
- VOLUNTEERS(v_id,name,email,e_id,user_id)
- LOCATION(Location_id,name,city,state,zipcode,availability,owner,)
- PHONE(p_ident,code,number,user_id)
- RENT_PH(R_id,amt,location_id,ph_num)

RELATIONSHIPS - MAPPING CARDINALITY

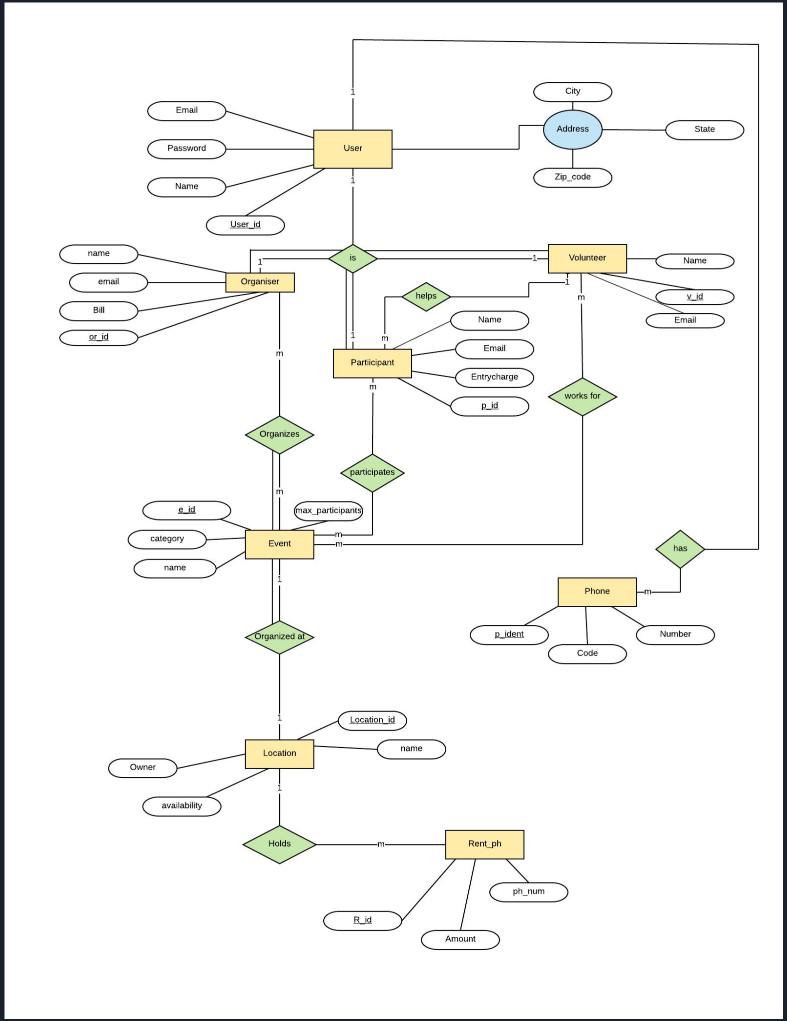
- A user can have more than one phone number and many phone numbers can belong to one user. (1:M)
- A user will be allowed to have only one organizer profile and one organizer profile can belong to only one user. (1:1)
- A user can be a volunteer and that volunteer can be mapped to only that user. (1:1)
- A user can be a participant and that participant can be mapped to one user only. (1:1)
- A volunteer can assist many participants; Many participants may have same volunteer to help them. (1:M)
- A set of volunteers may involve themselves in more than one event or none. It is not necessary that every volunteer needs to have an event associated with them. (M:M)
- Many participants can participate in many events and an event can have many participants. (M:M)
- Many organizers can host many events and an event can be organized by more than one organizer. (M:M)

RELATIONSHIPS - MAPPING CARDINALITY

- An event can be organized only at a particular location provided by the community and that particular location can have only one event hosted at a time. (1:1)
- Each location can have different rent values and contact numbers; Different contact numbers and rent values can pertain to the same location based on demands. (1:M)

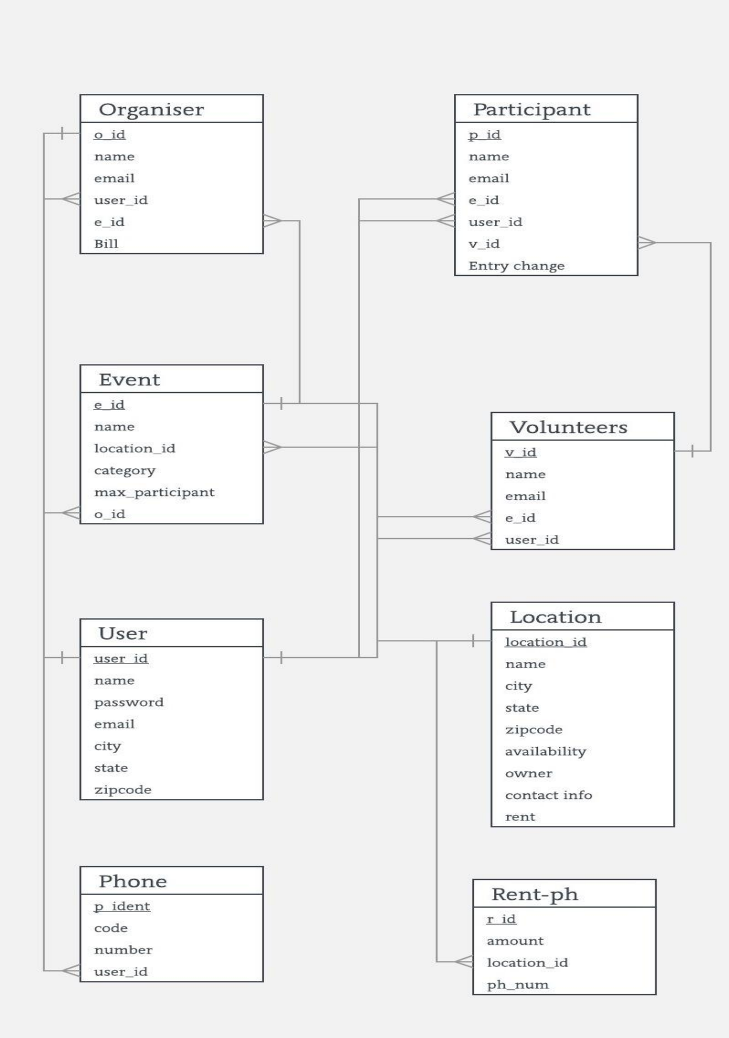
RELATIONSHIPS - PARTICIPATION CONSTRAINTS

- Every event must have at least one organizer; but an organizer need not host an event. (partial - total)
- Every organizer, participant, volunteer must be registered users to interact with the system. But every user need not be an organizer,participant, volunteer; Can be any one of them . (partial - total)
- Every event must have a location, but every location need not necessarily have an event happening. (total - partial)


City
Email
Address
State
User
Password
Name
Zip_code
User_id
name
is
Volunteer
Name
email
Organiser
Bill
helps
v_id
Email
or_id
Name
Email
Partiicipant
Entrycharge
works for
p_id
Organizes
participates
e_id
max_participants
category
Event
name
has
Phone
Organized at
p_ident
Number
Code
Location_id
name
Location
Owner
availability
Holds
Rent_ph
ph_num
R_id
Amount

ER DIAGRAM

SCHEMA DIAGRAM



Organiser
o_id
name
email
user_id
e_id
Bill

Participant
p_id
name
email
e_id
user_id
v_id
Entry change

Event
e_id
name
location_id
category
max_participant
o_id

Volunteers
v_id
name
email
e_id
user_id

User
user_id
name
password
email
city
state
zipcode

Location
location_id
name
city
state
zipcode
availability
owner
contact info
rent

Phone
p_ident
code
number
user_id

Rent-ph
r_id
amount
location_id
ph_num

RELATION 1: USER

ATTRIBUTE LIST: USER (user_id, name, password,email,city,state,zipcode)

PRIMARY KEY: user_id

FOREIGN KEY: none

RELATION 2: ORGANISER

ATTRIBUTE LIST: ORGANISER(o_id,name,email,bill,user_id,e_id)

PRIMARY KEY: o_id

FOREIGN KEY: user_id, e_id

RELATION 3: PARTICIPANT

ATTRIBUTE LIST: PARTICIPANT(p_id,name,email,entry_charge,e_id,v_id,user_id)

PRIMARY KEY: p_id

FOREIGN KEYS: e_id, v_id, user_id

RELATION 4:VOLUNTEERS

ATTRIBUTE LIST: VOLUNTEERS(v_id,name,email,e_id,user_id)

PRIMARY KEY: v_id

FOREIGN KEYS: e_id, user_id

RELATION 5: LOCATION

ATTRIBUTE LIST : LOCATION(Location_id,name,city,state,zipcode,availability,owner,)

PRIMARY KEY: Location_id

FOREIGN KEYS: none

RELATION 7:LOCATION

ATTRIBUTE LIST: PHONE(p_ident,code,number,user_id)

PRIMARY KEY: p_ident

FOREIGN KEY: user_id

RELATION 8: RENT_PH

ATTRIBUTE LIST: RENT_PH(R_id,amt,location_id,ph_num)

PRIMARY KEY: R_id

FOREIGN KEY: location_id

IMPLEMENTATION

FRONT END : HTML, CSS , JAVASCRIPT.

BACK END: PHP, MySQL.