

CMPE 332 Project

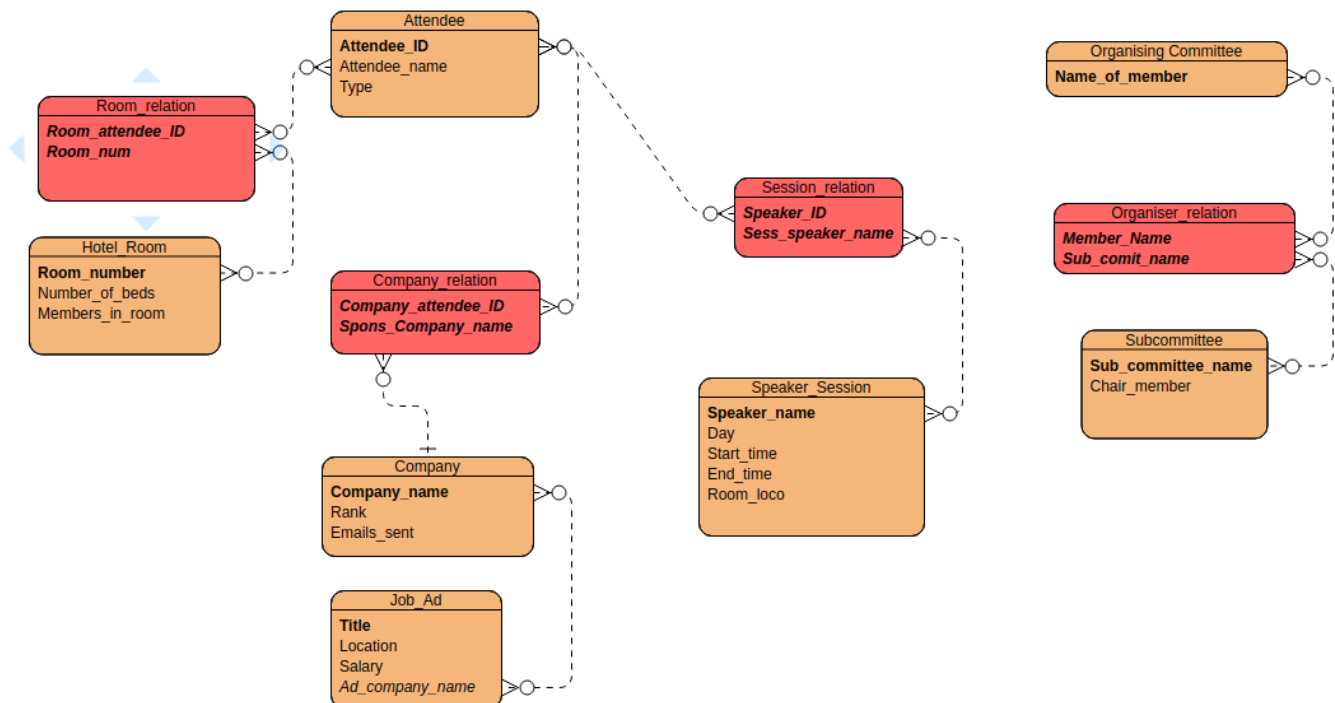
Deliverable 1

Group 62

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Assumptions made

- The room numbers are at most 3 digits, integers, and unique numbers
- There is only one chair member for each sub_committee
- The speakers have unique names
- The members of the organising committee have unique names



DDL implementation

Below is the SQL script to generate this database, followed by a some inserions into the database to populate the columns and declare relations.

```

create table if not exists attendee
(attendee_ID    numeric(3,0) not null,
 name          varchar(20),
 type          varchar(15),
 primary key(attendee_ID)
);

create table if not exists hotel_room
(room_number numeric(4, 0),

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    number_of_beds numeric(1, 0),
    primary key(room_number)
);

create table if not exists company
(company_name varchar(25) not null,
sponsorship_rank varchar(15),
emails_sent numeric(2, 0),
primary key(company_name)
);

create table if not exists job_ad
(job_title varchar(50) not null,
location varchar(50),
salary numeric(8, 0),
ad_company varchar(25) not null,
primary key(job_title),
foreign key(ad_company) references company(company_name)
);

create table if not exists session
(speaker_name varchar(25) not null,
day numeric(1, 0),
start_time varchar(5),
end_time varchar(5),
room_location varchar(12),
primary key(speaker_name)
);

create table if not exists organising_committee
(member_name varchar(25) not null,
primary key(member_name)
);

create table if not exists sub_committee
(sub_committee_name varchar(25) not null,
chair_member varchar(25),
primary key(sub_committee_name)
);

create table if not exists room_rel
(a_id numeric(3,0),
room_numb numeric(4,0),
primary key(a_id,room_numb),
foreign key(a_id) references attendee(attendee_ID),
foreign key(room_numb) references hotel_room(room_number)
);

create table if not exists company_rel
(company_attendee_id numeric(3,0),
company_name varchar(25),
primary key(company_attendee_id, company_name),
foreign key(company_attendee_id) references attendee(attendee_ID),
foreign key(company_name) references company(company_name)
```

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);

create table if not exists session_rel
(sess_speaker_name varchar(25),
 speaker_id numeric(3,0),
 primary key(sess_speaker_name, speaker_id),
 foreign key(sess_speaker_name) references session(speaker_name),
 foreign key(speaker_id) references attendee(attendee_ID)
);

create table if not exists organiser_rel
(name varchar(25) not null,
 sub_commit varchar(25) not null,
 primary key(name, sub_commit),
 foreign key(name) references organising_committee(member_name),
 foreign key(sub_commit) references sub_committee(sub_committee_name)
);

insert into attendee values (1, 'Max Gillham', 'student');
insert into attendee values (2, 'Jack Jill', 'student');
insert into attendee values (3, 'Joe Nose', 'student');
insert into attendee values (4, 'Jack Smells', 'student');
insert into attendee values (5, 'Elon Musk', 'sponsor');
insert into attendee values (6, 'Bill Gates', 'sponsor');
insert into attendee values (7, 'Goerge Hotz', 'sponsor');
insert into attendee values (8, 'Lieutenant Dan', 'sponsor');
insert into attendee values (9, 'Orange Grey', 'sponsor');
insert into attendee values (10, 'Geo Hot', 'sponsor');
insert into attendee values(11, 'Special Speaker', 'professional');
insert into attendee values(12, 'Jimmy', 'professional');

insert into hotel_room values (10,1);
insert into hotel_room values (122, 3);
insert into hotel_room values (149, 2);
insert into hotel_room values (411, 3);

insert into room_rel values (1, 10);
insert into room_rel values (2, 122);
insert into room_rel values (3, 122);

insert into company values ('Comma ai', 'Gold', 2);
insert into company values ('Space X', 'Silver', 1);
insert into company values ('Microsoft', 'Platinum', 4);

insert into company_rel values(7, 'Comma ai');
insert into company_rel values(5, 'Space X');
insert into company_rel values(6, 'Microsoft');
insert into company_rel values(8, 'Comma ai');
insert into company_rel values(9, 'Comma ai');
insert into company_rel values(10, 'Comma ai');

insert into job_ad values('Software Devoloper', 'Vancouver BC', 130000,
'Microsoft');
```

```
insert into job_ad values('Machine Learning Engineer', 'Toronto ON',
150000, 'Comma ai');
insert into job_ad values('Data Scientist', 'Toronto ON', 100000, 'Space
X');

insert into session values('Special Speaker', 1, '11AM', '2PM', 'East
Room');
insert into session values('Jimmy', 1, '12PM', '3PM', 'West Room');

insert into session_rel values('Special Speaker', 11);
insert into session_rel values('Jimmy', 12);

insert into organising_committee values('Jenifer');
insert into organising_committee values('Timothy');
insert into organising_committee values('Greg');
insert into organising_committee values('Jeffery');

insert into sub_committee values('Dance Team', 'Greg');
insert into sub_committee values('Power Squad', 'Jenifer');

insert into organiser_rel values('Jenifer', 'Power Squad');
insert into organiser_rel values('Timothy', 'Dance Team');
insert into organiser_rel values('Greg', 'Power Squad');
insert into organiser_rel values('Greg', 'Dance Team');
insert into organiser_rel values('Jeffery', 'Dance Team');
```