

# Volunteering Platform Database

IT project



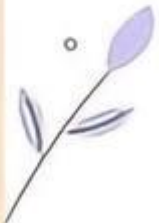
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**This project is about designing database for a volunteering platform, that provides an interactive environment for volunteers to get a pioneering voluntary experience, it allows organizations to reach volunteers easily and interactively**



# Assumptions

- **A user can have many volunteering opportunities.**
- **Each opportunity has one sponsor.**
- **A city can have many volunteering opportunities.**
- **Each volunteering opportunity specialize in one field.**



# Example of a real Volunteering Platform



## جامعة الطائف

وحدة العمل التطوعي

الموقع الإلكتروني للجهة

لا يوجد

لا يوجد بريد إلكتروني

لا يوجد فيديو

مشاركة

## تفاصيل الفرصة التطوعية

المشاركة في معرض جمعية الطائف لذوي الاحتياجات الخاصة لتفعيل اليوم العالمي (لقرط الحركة وتشتت الانتباه) و(الشلل الدماغي)

نوع المشاركة  
فردى

المجال  
صحي

المقاعد  
4 مقاعد

6 نوفمبر - 6 نوفمبر  
1 أيام

عاجلة؟  
نعم

عن بعد؟  
لا

المؤهل العلمي  
المؤهل العلمي غير  
مطلوب

الجنس  
ذكور وإناث

تتطلب مقابلة؟  
لا

تدعم ذوي الإعاقة؟  
لا

العمر المطلوب

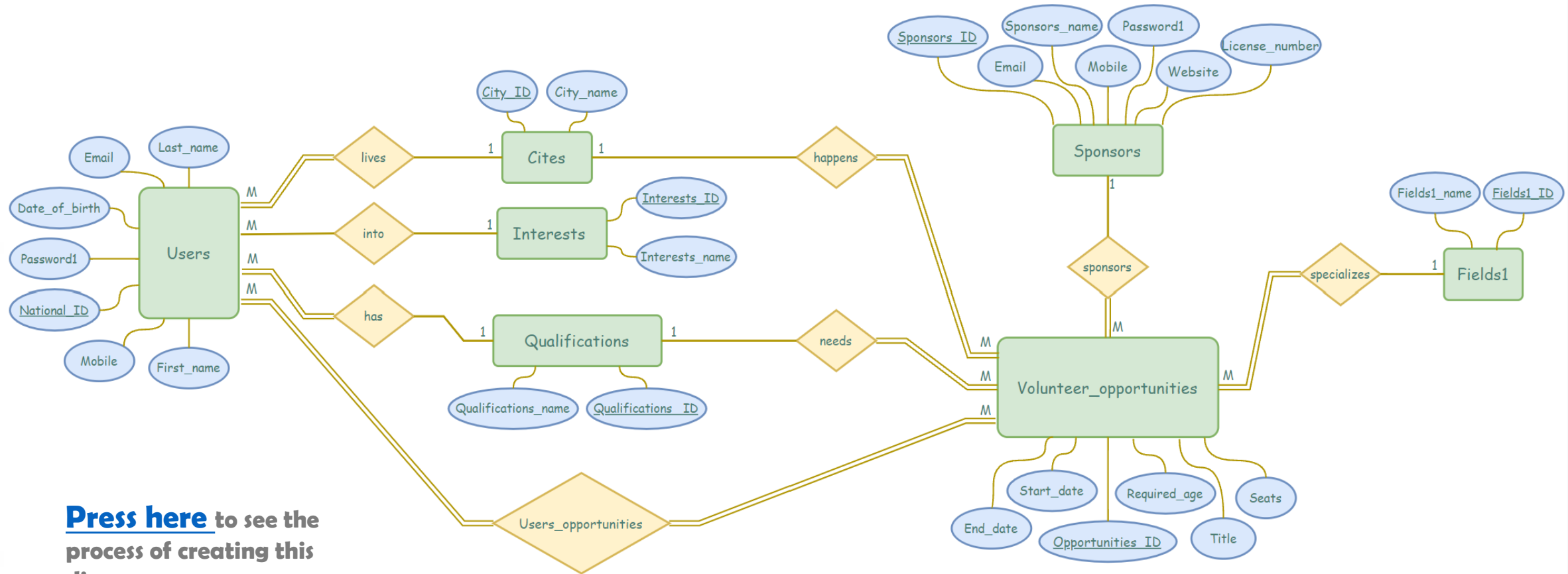
21 فأكثر

# ER diagram

What we do?

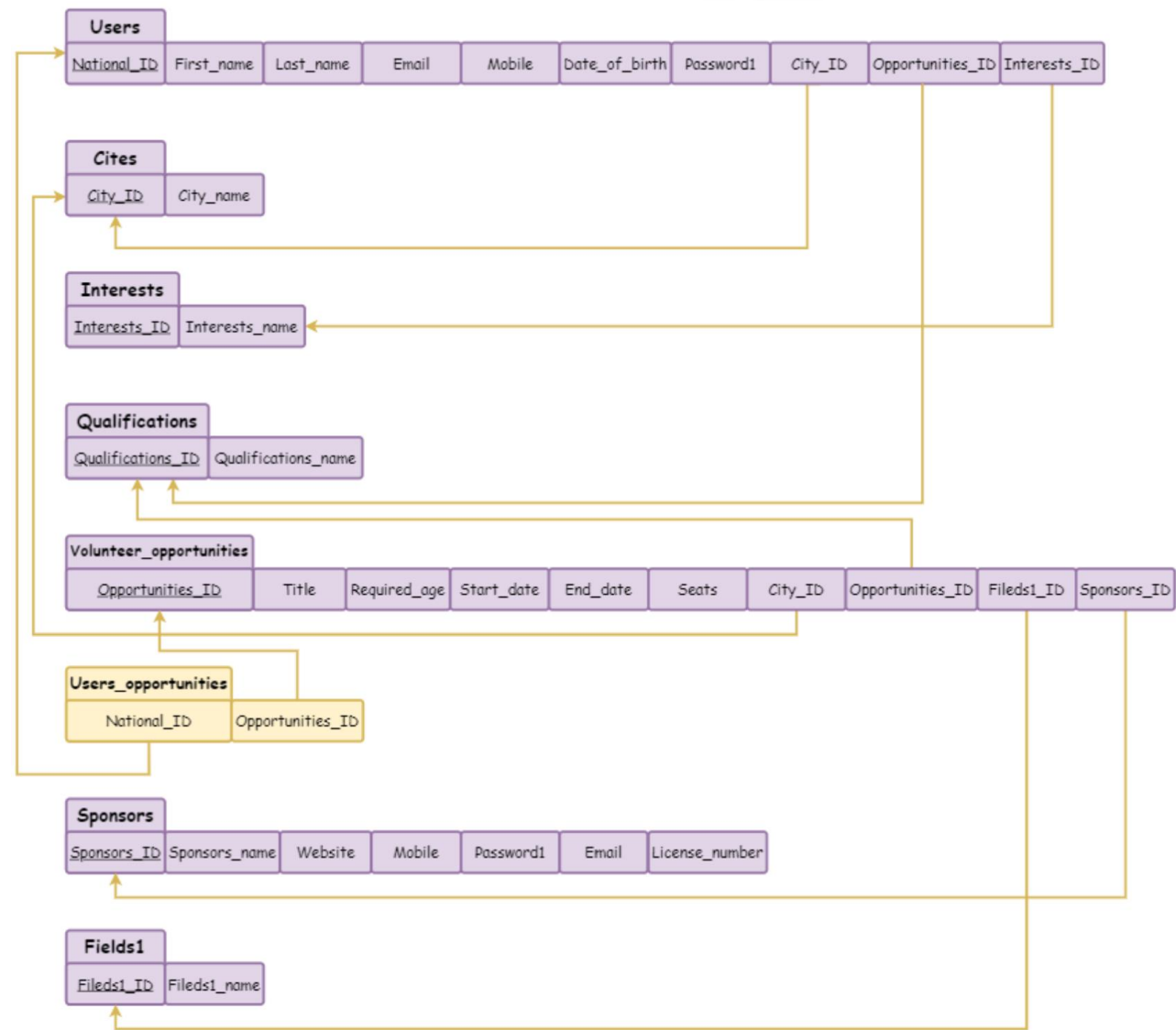
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[Press here](#) to see the process of creating this diagram

# Relational mapping diagram



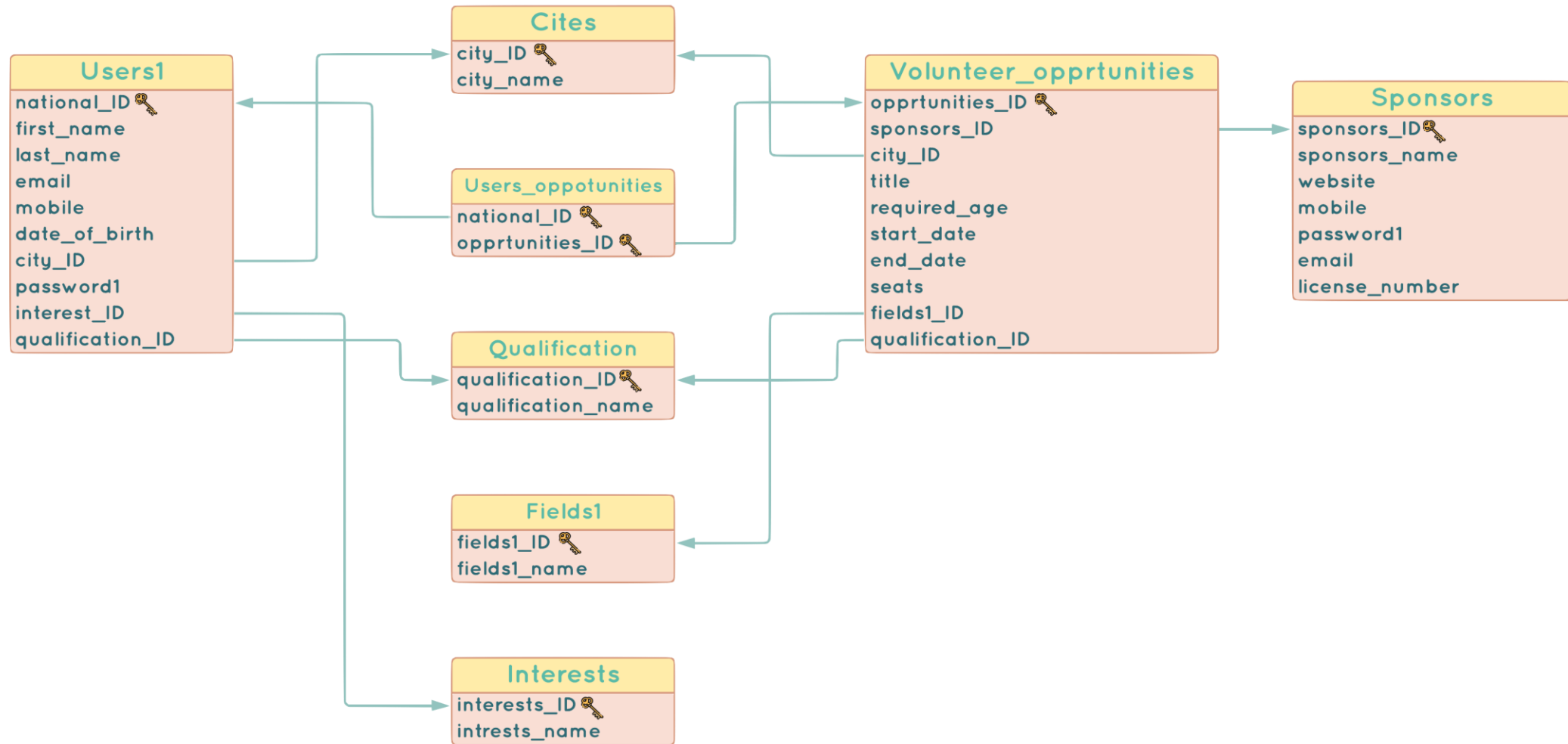


# Schema diagram

What we do?

How help?

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[Press here](#) for Data-inserting codes and actual tables

## Table : Users1

```
Create table Users1(  
National_ID char(8) primary key,  
first_name varchar(20)not null,  
last_name varchar(20)not null,  
email varchar(100)not null,  
mobile int unique not null,  
date_of_birth date not null,  
City_ID int references Cites,  
password1 varchar(8) unique not null,  
Interest_ID int references Interests,  
qualification_ID int references Qualification);
```

Column	Null?	Type
NATIONAL_ID	NOT NULL	CHAR(8)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(20)
EMAIL	NOT NULL	VARCHAR2(100)
MOBILE	NOT NULL	NUMBER
DATE_OF_BIRTH	NOT NULL	DATE
CITY_ID	-	NUMBER
PASSWORD1	NOT NULL	VARCHAR2(8)
INTEREST_ID	-	NUMBER
QUALIFICATION_ID	-	NUMBER

[Download CSV](#)

10 rows selected.

## Table : Volunteers opportunities

```
create table Volunteer_opportunities(  
opportunities_ID int primary key,  
Sponsors_ID int references Sponsors,  
City_ID int references Cites,  
title varchar(55)not null,  
Required_age varchar(50)not null,  
start_date date not null,  
end_date date not null,  
seats int ,  
fields1_ID int references Fields1,  
qualification_ID int references Qualification,  
urgent char(4) check (urgent IN ('No','Yes')) not null);
```

Column	Null?	Type
OPPORTUNITIES_ID	NOT NULL	NUMBER
SPONSORS_ID	-	NUMBER
CITY_ID	-	NUMBER
TITLE	NOT NULL	VARCHAR2(55)
REQUIRED_AGE	NOT NULL	VARCHAR2(50)
START_DATE	NOT NULL	DATE
END_DATE	NOT NULL	DATE
SEATS	-	NUMBER
FIELDS1_ID	-	NUMBER
QUALIFICATION_ID	-	NUMBER
URGENT	NOT NULL	CHAR(4)

[Download CSV](#)

11 rows selected.



[Press here](#) for Data-inserting codes and actual tables

## Table : Sponsors

```
create table Sponsors(  
Sponsors_ID int primary key ,  
Sponsors_name varchar(100) not null,  
website varchar(250),  
mobile int unique not null,  
password1 varchar(8) unique not null,  
email varchar(100) ,  
license_number int unique not null);
```

TABLE SPONSORS

Column	Null?	Type
SPONSORS_ID	NOT NULL	NUMBER
SPONSORS_NAME	NOT NULL	VARCHAR2(100)
WEBSITE	–	VARCHAR2(250)
MOBILE	NOT NULL	NUMBER
PASSWORD1	NOT NULL	VARCHAR2(8)
EMAIL	–	VARCHAR2(100)
LICENSE_NUMBER	NOT NULL	NUMBER

[Download CSV](#)

7 rows selected.

## Table : Cites

```
create table Users_opportunities (  
national_ID char(8) references Users1,  
opportunities_ID int references Volunteer_opportunities,  
primary key (national_ID,opportunities_ID) );
```

Column	Null?	Type
NATIONAL_ID	NOT NULL	CHAR(8)
OPPORTUNITIES_ID	NOT NULL	NUMBER



[Press here](#) for Data-inserting codes and actual tables

## Table : Cites

```
Create table Cites(  
City_ID int primary key ,  
City_name varchar (100) not null);
```

Column	Null?	Type
CITY_ID	NOT NULL	NUMBER
CITY_NAME	NOT NULL	VARCHAR2(100)

## Table : Interests

```
Create table Interests(  
Interest_ID int primary key ,  
interest_name Varchar(100) not null);
```

Column	Null?	Type
INTEREST_ID	NOT NULL	NUMBER
INTEREST_NAME	NOT NULL	VARCHAR2(100)

## Table : Qualification

```
Create table Qualification(  
qualification_ID int primary key ,  
qualification_name Varchar(100) not null);
```

Column	Null?	Type
QUALIFICATION_ID	NOT NULL	NUMBER
QUALIFICATION_NAME	NOT NULL	VARCHAR2(100)

## Table : Fields1

```
Create table Fields1(  
fields1_ID int primary key ,  
fields1_name Varchar(100) not null);
```

Column	Null?	Type
FIELDS1_ID	NOT NULL	NUMBER
FIELDS1_NAME	NOT NULL	VARCHAR2(100)

# Queries

## description

### 1. How many volunteers have the qualification Diploma

## DML code & the result

```
select count(distinct national_id) as diploma_volunteers
from users1 left join qualification on users1.qualification_id = qualification.qualification_id
where qualification_name = 'diploma';
```

DIPLOMA_VOLUNTEERS
2

### 2. Print Urgent Opportunities in Asier

```
select title , city_name , urgent
from volunteer_opportunities , cites
where volunteer_opportunities.city_id = cites.city_id
and city_name = 'Asier';
```

TITLE	CITY_NAME	URGENT
Awareness card design	Asier	Yes
Organizing an e-marketing course	Asier	Yes

# Queries

## description

**3. Print 2 titles where first one starts at date 03-jul-18 ends at date 05-jul-18 and second starts at date 09-mar-21 ends at date 11-mar-21**

## DML code & the result

```
select title , start_date , end_date from volunteer_opportunities
where start_date='03-JUL-18' and end_date='05-JUL-18'
union all
select title , start_date , end_date from volunteer_opportunities
where start_date='09-MAR-21'and end_date='11-MAR-21';
```

TITLE	START_DATE	END_DATE
Arabian tiger drawing	03-JUL-18	05-JUL-18
Project Specialist	09-MAR-21	11-MAR-21

**4. Prints Opportunities sponsored by Makkah almukarmah association with age 25 or more**

```
select title , required_age
from volunteer_opportunities
where sponsors_id = 7 and required_age = '25 or more' ;
```

TITLE	REQUIRED_AGE
Sports program supervisor	25 or more

# Queries

description

DML code & the result

**5. Print users full names and emails with city order by first name?**

```
select Upper(first_name)||' '||Upper(last_name)
as full_name, email, city_name
from cites natural join users1
order by full_name;
```

FULL_NAME	EMAIL	CITY_NAME
ALI NASSER	Aliii31@gmail.com	Nagran
KHALED AMEEN	a82k6@gmail.com	Asier
MANAR ANAS	A3849s@gmail.com	Al Bahai
MOHAMMED AMMAR	a19372@gmail.com	Al Bahai
NOURA AHMAD	NAhm73@gmail.com	Makkah
REEMA MOHAMMED	reema2gmail.com	Jazan
SALEH ABDULLAH	Ab8236@gmail.com	Riyadh
SARA ALI	ali23@gmail.com	Jazan
WALEED MAJED	wm929@gmail.com	Al Taif
YARA FAHAD	YaraF@gmail.com	Jeddah

**6. Print sponsor name where email value is null?**

```
select Sponsors_name , email
from Sponsors
where email is null ;
```

SPONSORS_NAME	EMAIL
Taif University	-
Social Security Office	-
Al Ber CharityAssociation	-
Mustawra Association	-

# Queries

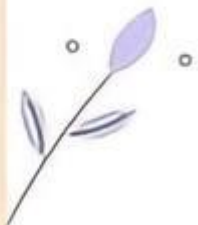
description

DML code & the result

## 7. Print volunteers work 3 times or more

```
select first_name as most_experience, Volunteer_opportunities.title
FROM users1 , Users_opportunities , Volunteer_opportunities
where Users_opportunities.opportunities_id = Volunteer_opportunities.opportunities_id
and users1.national_id = Users_opportunities.national_id
and users1.national_id in (select national_id
from Users_opportunities
group by national_id
having count(distinct opportunities_id)>=3);
```

MOST_EXPERIENCE	TITLE
reema	Awareness card design
Manar	Awareness card design
Manar	Organizing an e-marketing course
reema	Sports program supervisor
reema	Safety training
Manar	Content Creator





## description

## DML code & the result

**8. Print program names that starts with A and available seats ?**

```
select title , seats
from volunteer_opportunities
where title Like 'A%' ;
```

TITLE	SEATS
Awareness card design	2
Arabian tiger drawing	8
Afforestation and planting seedlings	15

**9. Print user full name and contact number and interests ?**

```
select first_name , mobile as contact, Interest_name
from users1 left join Interests
on Interests.Interest_id = users1.Interest_id;
```

FIRST_NAME	CONTACT	INTEREST_NAME
Waleed	5216423052	Sports interests
Manar	503642752	Relief concerns
reema	53943284	medical interests
Mohammed	572902752	Technical interests
Noura	52538017	charitable interests
Saleh	52539272	Literary interests
Sara	521644352	Literary interests
Khaled	521642752	artistic interests
Yara	521642892	Tourist interests
Ali	53273284	mental interests

**10. Print users ages**

```
select first_name, trunc(months_between(sysdate,per.Date_of_birth)/12)as age
from users1 per ;
```

FIRST_NAME	AGE
reema	31
Ali	32
Noura	29
Saleh	27
Khaled	25
Yara	33
Mohammed	20
Sara	35
Waleed	26
Manar	14

# Views

## description

## DML code & the result

**1. This view contains the number of volunteers in every interest**

```
24
25 create view Statistic1 as
26 select interest_name,count(national_id) as number_of_volunteers
27 from users1,Interests
28 where users1.INTEREST_ID = Interests.INTEREST_ID
29 group by interest_name;
30
31 select * from Statistic1;
32
```

INTEREST_NAME	NUMBER_OF_VOLUNTEERS
medical interests	1
Technical interests	1
charitable interests	1
artistic interests	1
Tourist interests	1
Relief concerns	1
Sports interests	1
mental interests	1
Literary interests	2

[Download CSV](#)  
9 rows selected.

**2. This view contains every volunteer opportunities with its sponsor**

```
35
36 create view sponsor_name as
37 select title , SPONSORS_NAME
38 from VOLUNTEER_OPPORTUNITIES natural join Sponsors;
39
40 select * from sponsor_name;
41
```

design	Association
Arabian tiger	Mustawra
drawing	Association
Organizing an e-marketing course	Yusr Association for Development
English translator	Consumer Protection
Sterilization and disinfection of mosques	Association
Prepare training	Makkah Al Mukarramah
bags	Social Security
Afforestation and planting seedlings	Office
Project Specialist	Consumer Protection
Sports program	Association
supervisor	Social Security
Safety training	Office
Content Creator	Makkah Al Mukarramah
	Association
	Orphans Care
	Association
	Yusr Association for Development

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# Views

description

3. This view will show the static of our project which going to help Analyst to analyze data

## DML code & the result

```
1 create view vv1 as
2 select count(distinct SPONSORS_ID) as number_of_sponsors , count (distinct CITY_ID) as number_of_cites , count (distinct FIELDS1_ID) as number_of_programs
3 from VOLUNTEER_OPPORTUNITIES ;
4
5 create view v1 as
6 select count (distinct NATIONAL_ID) as number_of_volunteers
7 from users1;
8
9 create view Enterprise_stats as
10 select number_of_sponsors,number_of_cites ,number_of_programs , number_of_volunteers
11 from vv1 ,v1;
12 select * from Enterprise_stats;
```

NUMBER_OF_SPONSORS	NUMBER_OF_CITES	NUMBER_OF_PROGRAMS	NUMBER_OF_VOLUNTEERS
8	11	12	10

[Download CSV](#)

4. This view is makes for volunteer supervisor

```
1 create view Vinfo as select
2 national_ID,first_name,last_name,email,mobile,date_of_birth,qualification_id,qualification_name,interest_id,interest_name,city_id,city_name
3 from users1 natural left join qualification
4 natural left join Interests natural left join cites;
5 select * from Vinfo;|
```

NATIONAL_ID	FIRST_NAME	LAST_NAME	EMAIL	MOBILE	DATE_OF_BIRTH	QUALIFICATION_ID	QUALIFICATION_NAME	INTEREST_ID	INTEREST_NAME	CITY_ID	CITY_NAME
320487	Saleh	Abdullah	Ab8236@gmail.com	52539272	17-SEP-94	3	primary education	6	Literary interests	2	Riyadh
292870	Waleed	Majed	wm929@gmail.com	5216423052	29-JUL-95	1	high school education	1	Sports interests	3	Al Taif
572510	Yara	Fahad	YaraF@gmail.com	521642892	09-JUN-88	7	Masters	9	Tourist interests	8	Jeddah
624394	Ali	Nasser	Al11i31@gmail.com	53273284	10-OCT-89	2	Intermediate education	10	mental interests	7	Nagran
384720	Noura	Ahmad	NAhm73@gmail.com	52538017	03-NOV-92	4	diploma	5	charitable interests	10	Makkah
928917	Manar	Anas	A3849s@gmail.com	503642752	14-NOV-06	6	PHD	2	Relief concerns	12	Al Bahai
340294	Mohammed	Ammar	al9372@gmail.com	572902752	20-OCT-01	3	primary education	4	Technical interests	12	Al Bahai
894534	Khaled	Ameen	a82k6@gmail.com	521642752	16-SEP-96	4	diploma	8	artistic interests	14	Asier
123132	reema	mohammed	reema2@gmail.com	53943284	05-OCT-90	7	Masters	3	medical interests	15	Jazan
884732	Sara	Ali	al123@gmail.com	521644352	08-JUL-86	5	Bachelors	6	Literary interests	15	Jazan

[Download CSV](#)

# Views

description

DML code & the result

5. This view for program supervisor shows Volunteer\_opportunities with its requirement

```
1 create view Voinfo as
2 select OPPORTUNITIES_ID,SPONSORS_ID,title,required_age,start_date,end_date,seats, urgent,qualification_id,qualification_name,fields1_id,fields1_name,city_id,city_name
3 from
4 Volunteer_opportunities natural left join qualification natural left join fields1 natural left join cites;
5 select * from Voinfo;
```

OPPORTUNITIES_ID	SPONSORS_ID	TITLE	REQUIRED_AGE	START_DATE	END_DATE	SEATS	URGENT	QUALIFICATION_ID	QUALIFICATION_NAME	FIELDS1_ID	FIELDS1_NAME	CITY_ID	CITY_NAME
105	5	English translator	21or more	05-OCT-20	25-OCT-20	3	No	5	Bachelors	9	educational	2	Riyadh
101	1	People with special needs	21 or more	06-NOV-19	06-NOV-19	4	Yes	5	Bachelors	2	medical	3	Al Taif
109	2	Project Specialist	24 or more	09-MAR-21	11-MAR-21	1	Yes	5	Bachelors	11	marketing	5	Unayzah
103	4	Arabian tiger drawing	16 or more	03-JUL-18	05-JUL-18	8	No	2	Intermediate education	13	art	6	Dammam
110	7	Sports program supervisor	25 or more	13-FEB-20	15-FEB-20	1	No	4	diploma	15	Athlete	8	Jeddah
112	8	Content Creator	15 or more	01-JUN-20	07-JUN-20	1	Yes	2	Intermediate education	6	cultural	7	Nagran
107	2	Prepare training bags	21 or more	02-NOV-19	02-NOV-19	10	Yes	4	diploma	5	Administrative	9	Al Qatif
106	7	Sterilization and disinfection of mosques	18 or more	03-JUN-18	03-JUN-18	3	No	3	primary education	8	religious	10	Makkah
108	5	Afforestation and planting seedlings	12 or more	05-OCT-21	10-OCT-21	15	No	2	Intermediate education	1	environmental	11	Al Madinah
111	6	Safety training	25 or more	20-JAN-20	25-JAN-20	5	Yes	5	Bachelors	14	Safety and Security	13	Buraydah
102	3	Awareness card design	21 or more	07-NOV-20	07-NOV-20	2	Yes	3	primary education	4	Technical	14	Asier
104	8	Organizing an e-marketing course	16 or more	08-NOV-19	10-NOV-19	5	Yes	3	primary education	10	organizational	14	Asier

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12 rows selected.





Logo

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# Views

description

**6. Thie view shows  
sponsors information  
with  
Volunteer\_opportunities  
And it will help SVOS to  
manage sponsors with  
their opportunities**



## DML code & the result

```
1 create view SVOinfo as
2 select
3 SPONSORS.SPONSORS_ID,
4 SPONSORS.sponsors_name,
5 SPONSORS.website,
6 SPONSORS.mobile,
7 SPONSORS.email,
8 SPONSORS.license_number,
9 voinfo.title
10 from
11 sponsors , Voinfo
12 where sponsors.SPONSORS_ID = Voinfo.SPONSORS_ID;
13 select * from SVOinfo;
```

SPONSORS_ID	SPONSORS_NAME	WEBSITE	MOBILE	EMAIL	LICENSE_NUMBER	TITLE
1	Taif University	-	500123467	-	53410	People with special needs
3	Al Ber Charity Association	http://www.ber-tbb.org.sa	558451921	-	99860	Awareness card design
4	Mustawra Association	http://mastorahbr.org	528451921	-	46840	Arabian tiger drawing
8	Yusr Association for Development	http://yosr.sa	555907023	v-co@g-yosr.org	65410	Organizing an e-marketing course
5	Consumer ProtectionAssociation	https://cpa.org.sa	112792368	volunteer@cpa.org.sa	82770	English translator
7	Makkah Al Mukarramah Association	https://www.ahyaa.org.sa	557007999	ahyaa2030@gmail.com	11290	Sterilization and disinfection of mosques
2	Social SecurityOffice	https://hrsd.gov.sa	541669595	-	43570	Prepare training bags
5	Consumer ProtectionAssociation	https://cpa.org.sa	112792368	volunteer@cpa.org.sa	82770	Afforestation and planting seedling
2	Social SecurityOffice	https://hrsd.gov.sa	541669595	-	43570	Project Specialist
7	Makkah Al Mukarramah Association	https://www.ahyaa.org.sa	557007999	ahyaa2030@gmail.com	11290	Sports program supervisor
6	Orphans Care Association	https://ensanonline.com	551443255	volunteer@ensan.org.sa	56720	Safety training
8	Yusr Association for Development	http://yosr.sa	555907023	v-co@g-yosr.org	65410	Content Creator

Download CSV  
12 rows selected.

# Views

## description

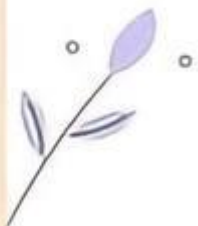
## DML code & the result

**7. This view help city supervisor to manage Volunteer\_opportunities on certain city**

```
create view city_supervisors as
select
Voinfo.title ,
Voinfo.Required_age ,
Voinfo.start_date,
Voinfo.end_date ,
Voinfo.seats ,
Voinfo.fields1_name ,
Voinfo.qualification_name ,
Voinfo.City_id,
Voinfo.City_name ,National_ID ,
Vinfo.first_name ,
Vinfo.last_name ,
Vinfo.email ,
Vinfo.mobile ,
Vinfo.date_of_birth ,
Vinfo.Interest_name
from Vinfo join Voinfo
on Voinfo.city_id = Vinfo.city_id
select * from city_supervisors;
```

TITLE	REQUIRED_AGE	START_DATE	END_DATE	SEATS	FIELDS1_NAME	QUALIFICATION_NAME	CITY_ID	CITY_NAME	NATIONAL_ID	FIRST_NAME	LAST_NAME	EMAIL	MOBILE	DATE_OF_BIRTH	INTEREST_NAME
English translator	21or more	05-OCT-20	25-OCT-20	3	educational	Bachelors	2	Riyadh	320487	Saleh	Abdullah	Ab8236@gmail.com	52539272	17-SEP-94	Literary interests
People with special needs	21 or more	06-NOV-19	06-NOV-19	4	medical	Bachelors	3	Al Taif	292870	Waleed	Majed	wm929@gmail.com	5216423052	29-JUL-95	Sports interests
Sports program supervisor	25 or more	13-FEB-20	15-FEB-20	1	Athlete	diploma	8	Jeddah	572510	Yara	Fahad	Yaraf@gmail.com	521642892	09-JUN-88	Tourist interests
Content Creator	15 or more	01-JUN-20	07-JUN-20	1	cultural	Intermediate education	7	Nagran	624394	Ali	Nasser	Aliii31@gmail.com	53273284	10-OCT-89	mental interests
Sterilization and disinfection of mosques	18 or more	03-JUN-18	03-JUN-18	3	religious	primary education	10	Makkah	384720	Noura	Ahmad	NAhm73@gmail.com	52538017	03-NOV-92	charitable interests
Awareness card design	21 or more	07-NOV-20	07-NOV-20	2	Technical	primary education	14	Asier	894534	Khaled	Ameen	a82k6@gmail.com	521642752	16-SEP-96	artistic interests
Organizing an e-marketing course	16 or more	08-NOV-19	10-NOV-19	5	organizational	primary education	14	Asier	894534	Khaled	Ameen	a82k6@gmail.com	521642752	16-SEP-96	artistic interests

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# Views

## description

## DML code & the result

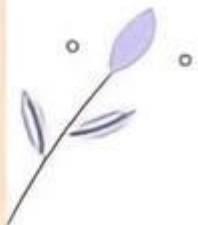
```
create view Volunteer as
select distinct title ,fields1_name ,City_ID,Required_age
from VOinfo natural join users1
```

8. This view we make it for volunteers to show them our programs

TITLE	FIELDS1_NAME	CITY_ID	REQUIRED_AGE
People with special needs	medical	15	21 or more
Awareness card design	Technical	15	21 or more
Arabian tiger drawing	art	15	16 or more
Organizing an e-marketing course	organizational	15	16 or more
English translator	educational	15	21 or more
Sterilization and disinfection of mosques	religious	15	18 or more

Prepare training bags	Administrative	15	21 or more
Afforestation and planting seedlings	environmental	15	12 or more
Project Specialist	marketing	15	24 or more
Sports program supervisor	Athlete	15	25 or more
Safety training	Safety and Security	15	25 or more
Content Creator	cultural	15	15 or more
People with special needs	medical	7	21 or more
Awareness card design	Technical	7	21 or more
Arabian tiger drawing	art	7	16 or more
Organizing an e-marketing course	organizational	7	16 or more
English translator	educational	7	21 or more

Sterilization and disinfection of mosques	religious	2	18 or more
Prepare training bags	Administrative	2	21 or more
Afforestation and planting seedlings	environmental	2	12 or more
Project Specialist	marketing	2	24 or more
Sports program supervisor	Athlete	2	25 or more
Safety training	Safety and Security	2	25 or more
Content Creator	cultural	2	15 or more
People with special needs	medical	14	21 or more
Awareness card design	Technical	14	21 or more

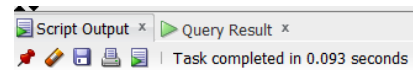






## Granting views to users

## 1. Data-entry team



User INSERTTEAM created.

```
CREATE USER InsertTeam IDENTIFIED BY i1234;
Grant connect to InsertTeam;
Grant all privileges on Cites to InsertTeam;
Grant all privileges on Interests to InsertTeam;
Grant all privileges on Qualification to InsertTeam;
Grant all privileges on Fields1 to InsertTeam;
Grant all privileges on Sponsors to InsertTeam;
Grant all privileges on Volunteer_opportunities to InsertTeam;
Grant all privileges on Users1 to InsertTeam;
Grant all privileges on Users_opportunities to InsertTeam;
```

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

—Grant succeeded.

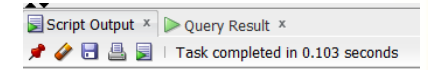
Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

## 2. View team



User VIEWTEAM created.

```
CREATE USER ViewTeam IDENTIFIED BY v1234;  
Grant connect to ViewTeam;  
Grant all privileges on Cites to ViewTeam;  
Grant all privileges on Interests to ViewTeam;  
Grant all privileges on Qualification to ViewTeam;  
Grant all privileges on Fields1 to ViewTeam;  
Grant all privileges on Sponsors to ViewTeam;  
Grant all privileges on Volunteer_opportunities to ViewTeam;  
Grant all privileges on Users1 to ViewTeam;  
Grant all privileges on Users opportunities to ViewTeam;
```

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

# Granting views to users

## 3. Query team

Script Output x Query Result x  
Task completed in 0.059 seconds

User QUERYTEAM created.

```
CREATE USER QueryTeam IDENTIFIED BY ql234;
Grant connect to QueryTeam;
Grant select on Cites to QueryTeam;
Grant select on Interests to QueryTeam;
Grant select on Qualification to QueryTeam;
Grant select on Fields1 to QueryTeam;
Grant select on Sponsors to QueryTeam;
Grant select on Volunteer_opportunities to QueryTeam;
Grant select on Users1 to QueryTeam;
Grant select on Users_opportunities to QueryTeam;
```

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

## 4. Diagram team

Script Output x Query Result x  
Task completed in 0.057 seconds

User DIAGRAMTEAM created.

```
CREATE USER DiagramTeam IDENTIFIED BY dl234;
Grant connect to DiagramTeam;
Grant select on Interests to DiagramTeam;
Grant select on Qualification to DiagramTeam ;
Grant select on Fields1 to DiagramTeam;
Grant select on Sponsors to DiagramTeam ;
Grant select on Volunteer_opportunities to DiagramTeam;
Grant select on Users1 to DiagramTeam;
Grant select on Users_opportunities to DiagramTeam;
```

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.



# Granting views to users

## 5. Data analyst

```
Worksheet  Query Builder
create user Analyst identified by a1234;
grant connect to Analyst;
grant select on Enterprise_stats to Analyst;
grant select on Statistical to Analyst;
```

Script Output x Query Result x  
Task completed in 0.04 seconds

User ANALYST created.

Grant succeeded.

Grant succeeded.

Grant succeeded.



## 6. The volunteer

```
CREATE USER Volunteer IDENTIFIED BY V1234;
Grant connect to Volunteer;
GRANT select ON Volunteer1 to Volunteer;
```

Script Output x Query Result x  
Task completed in 0.034 seconds

User VOLUNTEER created.

Grant succeeded.

Grant succeeded.

## 7. Supervisor of Volunteers and Opportunities in each city

```
Worksheet  Query Builder
CREATE USER CV IDENTIFIED BY cv1234;
Grant connect to CV;
GRANT select on city_supervisors to CV;
```

Script Output x  
Task completed in 0.041 seconds

User CV dropped.

User CV created.

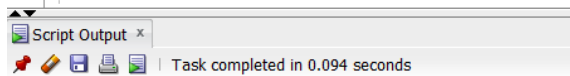
Grant succeeded.

Grant succeeded.

# Granting views to users

## 8. Opportunities Supervisor

```
CREATE USER SVO IDENTIFIED BY sv01234;  
grant connect to SVO;  
grant all PRIVILEGES on Volunteer_opportunities to SVO;  
grant select on VOinfo to SVO;
```



User SVO created.

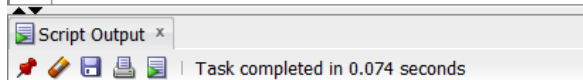
Grant succeeded.

Grant succeeded.

Grant succeeded.

## 9. Volunteers Supervisor

```
CREATE USER SV IDENTIFIED BY sv1234;  
grant connect to SV;  
grant select,delete on Vinfo to SV;  
grant all PRIVILEGES on users1 to SV;
```



User SV created.

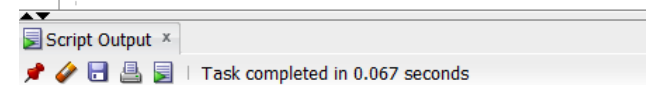
Grant succeeded.

Grant succeeded.

Grant succeeded.

## 10. Supervisor sponsors with the opportunities they sponsor

```
CREATE USER SVOS IDENTIFIED BY SVOS1234;  
Grant connect to SVOS;  
Grant all privileges on sponsors to SVOS;  
Grant select on SVOinfo to SVOS;
```



User SVOS created.

Grant succeeded.

Grant succeeded.

Grant succeeded.



# The teams of this project :

- Dana Alkughail – [REDACTED] – ER\Relational mapping diagram team
- Seera Alhatlany – [REDACTED] – ER\Relational mapping diagram team
- Deema Alnasser – [REDACTED] – Schema diagram\Tables creating and inserting team
- Reema Alnasser – [REDACTED] – Schema diagram\Tables creating and inserting team
- Wareef Alolayan – [REDACTED] – Queries team
- Jenan Almobaye – [REDACTED] – Queries team
- Shihanah Albadi - [REDACTED] - Queries team
- Deem Alghraier – [REDACTED] – Views\Granting team
- Jood Alolayan - [REDACTED] - Views\Granting team
- Jumana almatrud - [REDACTED] - Views\Granting team

