Grupo 16

Databases Workgroup

English groups

Components:

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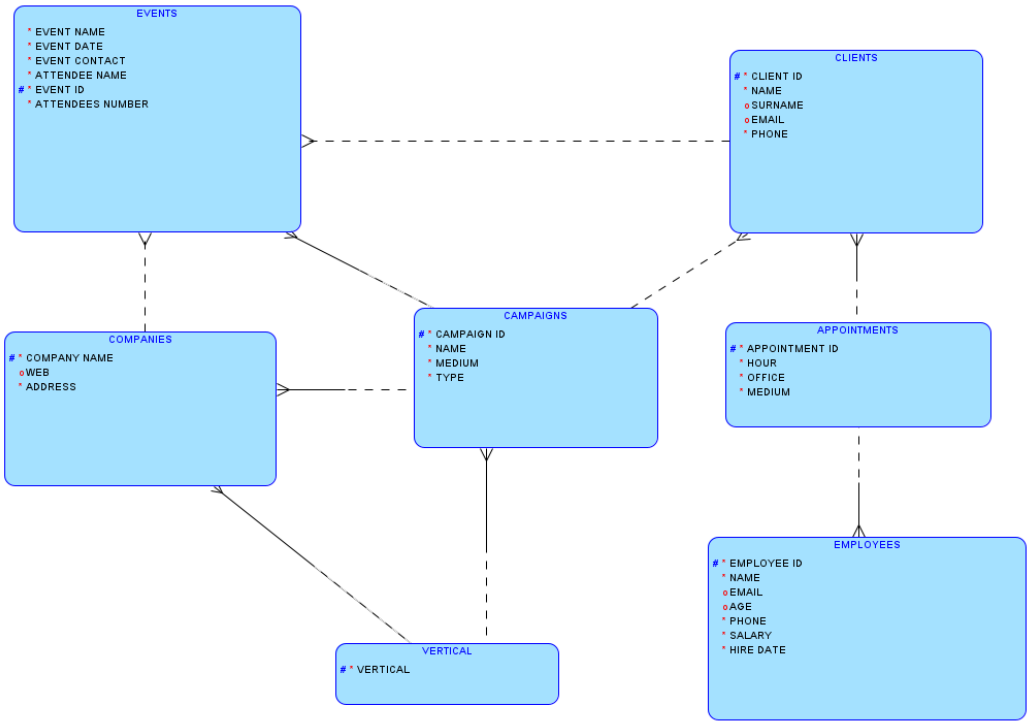
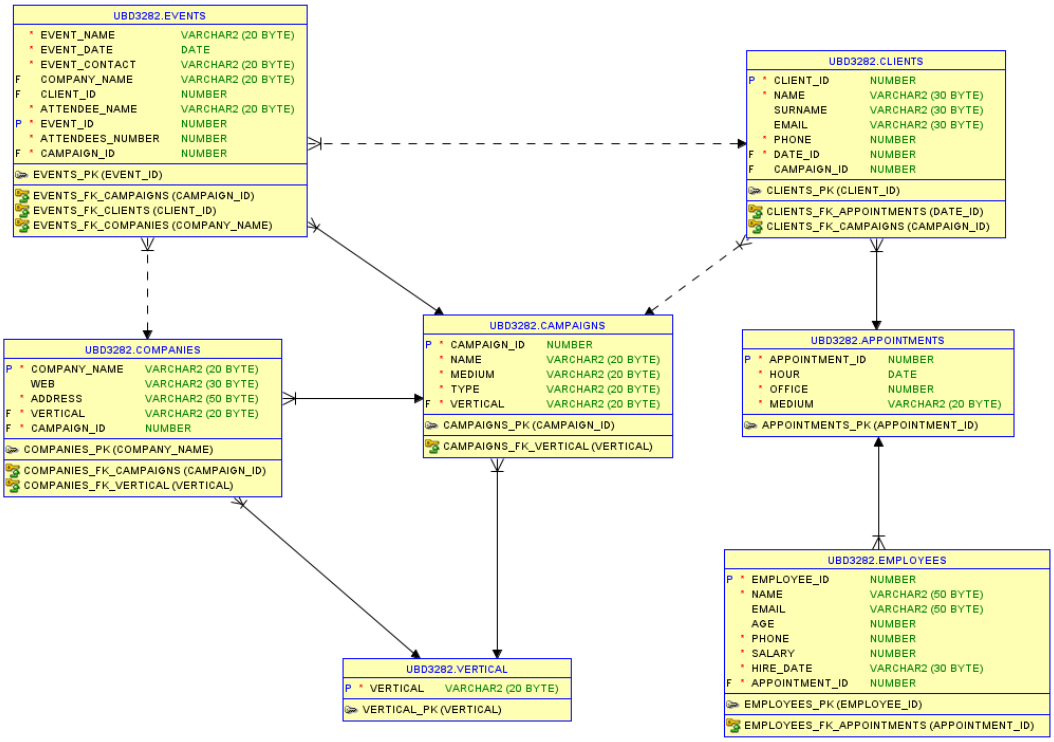
Content

1 Logic Diagram



2 Relational Diagram



3 Database user

The user that we used as our group database is UBD3282.

4 Content of main tables

CAMPAIGNS

Columnas | Datos | Model | Restricciones | Permisos | Estadísticas | Disparadores | Flashback | Dependencias | Detalles | Particiones | Índices | SQL

Ordenar... | Filtrar:

	CAMPAIGN_ID	NAME	MEDIUM	TYPE	VERTICAL
1	134	Black and White	P	Specific	Paint
2	678	Meet you	P	Specific	Medicine
3	221	Home need it	O	Specific	Pharmacy
4	235	Love it	P	Specific	Real State
5	1288	Here to there	P	Specific	Transportation
6	5567	First aid kit	P	Specific	Pharmacy
7	666	Why?	O	General	No specific
8	999	Move	P	Specific	Real State
9	69	Go go go	P	Specific	Sport
10	76	Adrenaline	P	Specific	Sport
11	1234	Cybersecurity	P	Specific	Technology
12	194	Robots	P	Specific	Technology
13	342	One click away	P	Specific	Technology
14	348	Memories of Mozart	P	Specific	Music
15	24	Colors	P	Specific	Paint
16	23	Spring soltstice	P	General	No specific
17	264	Nany	O	General	No specific
18	237	Cybermumies	P	General	No specific

CLIENTS

Columnas | Datos | Model | Restricciones | Permisos | Estadísticas | Disparadores | Flashback | Dependencias | Detalles | Particiones | Índices | SQL

Ordenar... | Filtrar:

	CLIENT_ID	NAME	SURNAME	EMAIL	PHONE	DATE_ID	CAMPAIGN_ID
1	11	Tom	Cruss	t.cruss@gmail.com	670452311	528	134
2	2	Mary	Tomson	m.tomson@gmail.com	676452311	528	999
3	341	Tom	Rayan	t.rayan@gmail.com	678453311	58	134
4	110	Rosse	Guztan	r.guztan@gmail.com	658452001	828	666
5	30	Carla	Cruss	c.cruss@gmail.com	678452301	208	134
6	116	Rocio	Rivers	r.rivers@gmail.com	678477891	528	221
7	1451	Xavier	Cruss	x.cruss@gmail.com	678552671	528	235
8	119	Eric	Hanz	t.hanz@gmail.com	678412341	58	69
9	151	Dereck	Ruzos	dereckyuo@gmail.com	678765311	58	76
10	171	Dakota	Cruss	dakota.cruss@gmail.com	608452311	528	1234
11	801	Tomas	Cruss	tomas.cruss@gmail.com	618452311	28	1234

COMPANIES

Columnas | Datos | Model | Restricciones | Permisos | Estadísticas | Disparadores | Flashback | Dependencias | Detalles | Particiones | Índices | SQL

Ordenar... | Filtrar:

	COMPANY_NAME	WEB	ADDRESS	VERTICAL	CAMPAIGN_ID
1	Sky	k.imaginated.es	k.imaginated@sky.es	Paint	134
2	Innovation	innovation.es	ino@innovation.es	Medicine	678
3	Bioinvestigation	bio.investigation.es	bio.investigation@gmail.es	Medicine	666
4	Brothers Hernandez	brotherbrotherh.es	brother@brotherh.es	Pharmacy	221
5	FlamingandCo	flamingandco.es	flamingandco@gmail.es	Pharmacy	5567
6	BORK	bork.es	b@bork.es	Pharmacy	221
7	Security connect	connectto.es	connect@security.es	Technology	194
8	Virus removed	virusremoved.com	virus@removed.es	Technology	342
9	Ding Dong	dingdong.es	dingdong@gmail.es	Music	348
10	Chips	chipschips.com	chips@gmail.com	Technology	194
11	Remmind	remmind.es	remmind@gmail.es	Medicine	678
12	La laz	lalaz.es	lalaz@gamil.com	Pharmacy	221
13	Your health	heathyour.es	your.health@gmail.es	Pharmacy	5567
14	Sleep in sky	insky.es	sleepinthsky@gmail.com	Real State	999
15	Gym pool	gympool.es	gympool@gmail.com	Sport	69
16	Full body	fullbody.es	fullbody@gym.es	Sport	76
17	Pitxel	pitxel.es	pitxel@gmail.com	Technology	1234
18	Twmt	twmt.es	twmt2@gmail.com	Technology	194
19	Gooble	gooble.es	gooble@gmail.com	Technology	194
20	IREA	irea.com	irea@gmail.es	Real State	235
21	ManoloandCo	manoloco.es	manoloco@gmail.es	Real State	235
22	Bath Manuel	bathmanuel.com	bathroom.manuel@gmail.com	Real State	235

EVENTS

Columnas | Datos | Model | Restricciones | Permisos | Estadísticas | Disparadores | Flashback | Dependencias | Detalles | Particiones | Índices | SQL

Ordenar... | Filtrar:

	EVENT_NAME	EVENT_DATE	EVENT_CONTACT	COMPANY_NAME	CLIENT_ID	ATTENDEES_NAMES	EVENT_ID	ATTENDEES_NUMBER	CAMPAIGN_ID
1	Magic of chips	09/06/22	123753231	(null)	(null)	Pepe Gomez	1	5	194
2	Magic of chips	09/06/22	123753231	(null)	(null)	Melisa Suarez	2	5	194
3	Magic of chips	09/06/22	123753231	Chips	(null)	Chips	3	5	194
4	Magic of chips	09/06/22	123753231	Gooble	(null)	Gooble	8	5	194
5	Magic of chips	09/06/22	123753231	(null)	1451	Xavier Cruss	4	5	194
6	Yourself	18/04/20	120003231	(null)	(null)	Grabiela Domingez	10	8	666
7	Yourself	18/04/20	120003231	(null)	341	Tom Rayan	11	8	666
8	Yourself	18/04/20	120003231	(null)	(null)	Crucella Mortizlla	15	8	666
9	Yourself	18/04/20	120003231	(null)	(null)	David Towers	19	8	666
10	Yourself	18/04/20	120003231	(null)	119	Eric Hanz	17	8	666
11	Yourself	18/04/20	120003231	(null)	(null)	Xavier Rivers	13	8	666
12	Yourself	18/04/20	120003231	(null)	(null)	Peter Venger	14	8	666
13	Yourself	18/04/20	120003231	(null)	(null)	Grabiela LLobret	12	8	666
14	Your own home	24/01/19	240003231	(null)	(null)	Grabiela Domingez	20	4	999
15	Your own home	24/01/19	240003231	Sleep in sky	(null)	Sleep in sky	29	4	999
16	Attitude	01/04/21	120243231	(null)	(null)	Grabiela Domingez	32	2	69
17	Attitude	01/04/21	120243231	(null)	151	Dereck Ruzos	33	2	69

5 Query implementations

5.1 Query 1

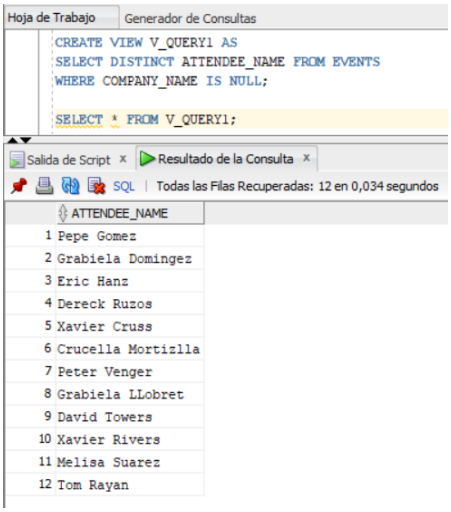
For the query:

List of assistant to the event X who doesn't belong to a company that has organised any event.

We developed the code:

```
SELECT DISTINCT ATTENDEE_NAME FROM EVENTS
WHERE COMPANY_NAME IS NULL;
```

And the result is:



5.2 Query 2

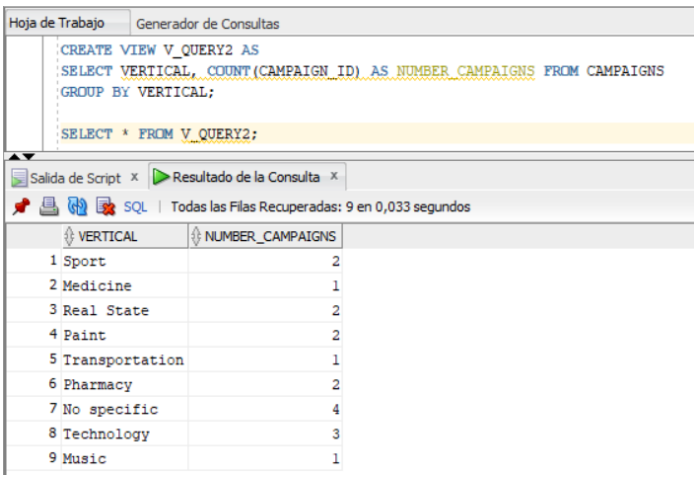
For the query:

List of the number of campaigns grouped by vertical

We developed the code:

```
SELECT VERTICAL, COUNT(CAMPAIGN_ID) AS NUMBER_CAMPAIGNS FROM CAMPAIGNS
GROUP BY VERTICAL;
```

And the result is:



6 Summary and final comments

We have reached the following conclusions regarding the relations:

- A vertical can be associated to multiple campaigns.
- A vertical can be associated to multiple companies.
- A campaign can be promoted by multiple companies.
- A campaign can have multiple events.
- A campaign can attract one or more clients; however, it is possible that it attracts none.
- A company can organize one or more events, but it is not necessary.
- A client can attend to multiple events, but they can attend to none too.
- An appointment is organized for one or more clients at a time.
- An appointment is composed by one or more employees.