

CST-363  
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# Freeman Funeral Home Database

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# About The Database

## Goal of the project

- Implement a database that holds data & information of deceased people
- Make it simple and straightforward

## Why the Database

- Information was previously handwritten
- Provide convenience

## Benefits

- View people who are buried
- No more searching through a huge book
- Less paper
- Less time consuming

## Cost

- Maintenance costs and development costs

# Database Context

## **Search for:**

- A specific deceased person in the database and their information.
- What the deceased person died of.
- The information of the customer who paid for the service fees.
- What type of service was organized for the deceased person by the customer.
- How much the customer paid in total for the service fees.
- The cemetery's address and telephone number to find the grave of the deceased person.

# What the database contains

## Tables:

- Death Members
- Customers
- Cemetery

## Entities:

- Funeral Home
- Website
- Dead People
- Customers
- Cemetery

## Primary Key:

- deathID

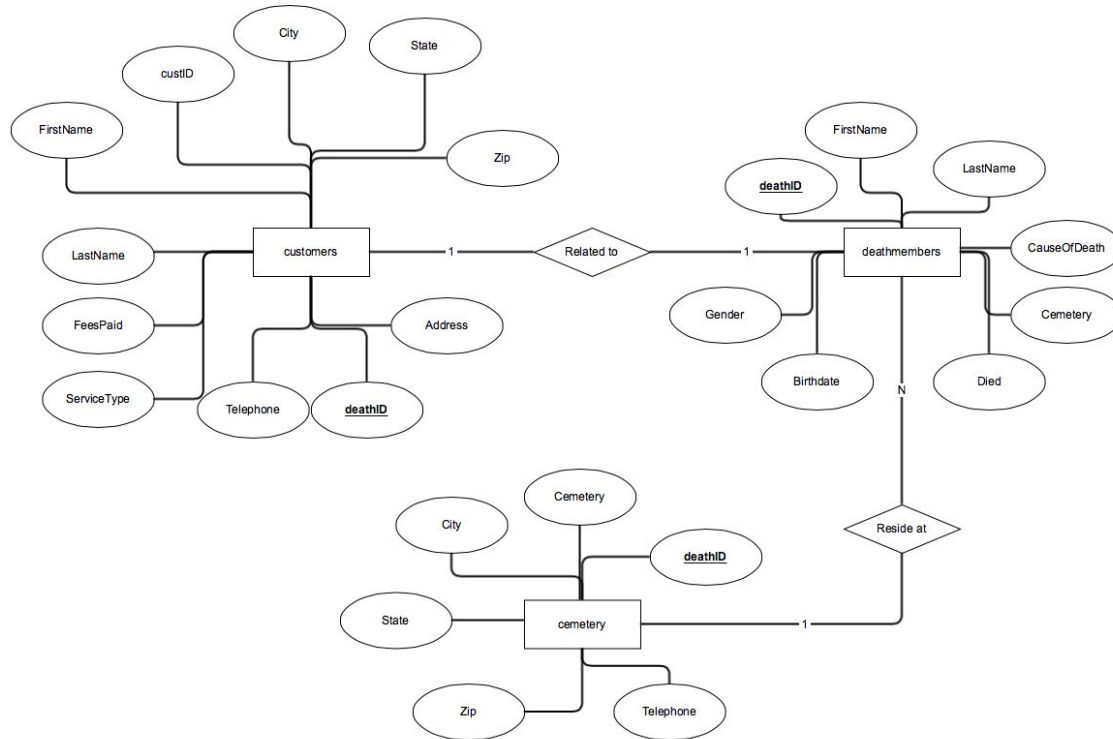
## Foreign Key

- deathmembers(deathID)
- custID

# Attributes

- FirstName
- LastName
- Birthdate
- Died
- CauseOfDeath
- Cemetery

# Appendix A: ER Diagram



# Appendix B: DDL Script

```
create database if not exists funeralhome;
```

```
use funeralhome;
```

```
drop table if exists deathmembers, customers, cemetery;
```

```
create table deathmembers(deathID int primary key  
auto_increment
```

```
, FirstName varchar(25)
```

```
, LastName varchar(25)
```

```
, Gender char(2)
```

```
, Birthdate varchar(25)
```

```
, Died varchar(25)
```

```
, CauseOfDeath varchar(25)
```

```
, Cemetary varchar(225)
```

```
, City varchar(25)
```

```
, State varchar(2)
```

```
, Zip int (5)
```

```
);
```

```
insert into deathmembers (deathID, FirstName, LastName, Gender, Birthdate, Died,  
CauseOfDeath, Cemetary, City, State, Zip) values
```

```
(9001,'John', 'Doe', 'M', '04/15/1800', '05/23/2015', 'Suicide', 'Soledad Cemetary',  
'Soledad', 'CA', 93960)
```

```
,(7893,'Jane', 'Doe', 'F', '05/15/1878', '02/21/2012', 'Heart Failure', 'Gonzales Cemetary',  
'Gonzales', 'CA', 93926)
```

```
,(8890,'Sponge', 'Bob', 'M', '02/10/1995', '04/11/2013', 'Gun Shot', 'Salinas Cemetary',  
'Salinas', 'CA', 93901)
```

```
,(1019,'Lola', 'Jimenez', 'F', '04/15/1800', '05/23/2015', 'Asthma', 'Cementerio El  
Encinal', 'Monterey', 'CA', 93940)
```

```
,(5676,'Tom', 'Williams', 'M', '12/02/1889', '06/12/1995', 'Heat Stroke', 'Soledad  
Cemetary', 'Soledad', 'CA', 93960)
```

```
,(4565,'John', 'Doe', 'M', '08/10/1990', '02/01/2012', 'Car Accident', 'Soledad  
Cemetary', 'Soledad', 'CA', 93960);
```

# Appendix B: DDL Script

```
create table customers (custID int primary key
, FirstName varchar(25)
, LastName varchar(25)
, Address varchar(25)
, City varchar(25)
, State varchar(2)
, Zip int (5)
, Telephone bigint
, FeesPaid decimal(10,2)
, ServiceType varchar(25)
, deathID int
, foreign key (deathID) references deathmembers(deathID)
);
```

```
insert into customers (custID, FirstName, LastName, Address, City, State, Zip, Telephone,
FeesPaid, ServiceType, deathID) values
(78,'Johnny', 'Doe', '222 Castro St', 'San Francisco', 'CA', 94101,8311234567, 2000,
'Cremation', 9001)
,(81,'Bob', 'Willis', '9220 Sunset Blvd', 'Hollywood', 'CA', 90028, 8318765432, 5600, 'Sky
Burial', 7893)
,(55,'Pancho', 'Rodriguez', '5647 Tryon', 'Los Angeles', 'CA', 90001,8319873456, 6400,
'Cannibalism', 8890)
,(67,'Panchita', 'De La Cruz', '1148 4TH ST', 'Santa Monica', 'CA', 90401, 8318901203,
2500, 'Earth Burial',1019)
,(90, 'Candy', 'Boo', '4131 Morro Dr.', 'Woodland Hills', 'CA', 91302,83105438567, 1550,
'Moon Burial', 5676)
,(45, 'Cherry', 'Lucious', 'P.O. Box 49991', 'Los Angeles', 'CA', 90001,8315043700, 1550,
'Cremation', 4565);
```



# Appendix B: DDL Script

```
create table cemetery (
```

```
  cemID int(5) unsigned not null
```

```
, Cemetery varchar(25)
```

```
, City varchar (25)
```

```
, State varchar (2)
```

```
, Zip int (5)
```

```
, Telephone bigint
```

```
, deathID int (5)
```

```
);
```

```
insert into cemetery (cemID, Cemetery, City, State, Zip, Telephone, deathID) values
```

```
(111,'Soledad Cemetery', 'Soledad', 'CA', 93960, 8315555555, 9001)
```

```
,(222,'Gonzales Cemetery', 'Gonzales', 'CA', 93926, 83144444444,7893)
```

```
,(333,'Salinas Cemetery', 'Salinas', 'CA', 93901, 83133333333, 8890)
```

```
,(444,'Cementerio El Encinal', 'Monterey', 'CA', 93940, 8312222222, 1019)
```

```
,(111,'Soledad Cemetery', 'Soledad', 'CA', 93960, 8315555555, 5676)
```

```
,(111,'Soledad Cemetery', 'Soledad', 'CA', 93960, 8315555555, 4565);
```

# Appendix C & D: DML Script

**Query:** SELECT \* FROM deathmembers;

| deathID | FirstName | LastName | Gender | Birthdate  | Died       | CauseOfDeath  | Cemetary              |
|---------|-----------|----------|--------|------------|------------|---------------|-----------------------|
| 1019    | Lola      | Jimenez  | F      | 04/15/1800 | 05/23/2015 | Asthma        | Cementerio El Encinal |
| 4565    | John      | Doe      | M      | 08/10/1990 | 02/01/2012 | Car Accident  | Soledad Cemetary      |
| 5676    | Tom       | Williams | M      | 12/02/1889 | 06/12/1995 | Heat Stroke   | Soledad Cemetary      |
| 7893    | Jane      | Doe      | F      | 05/15/1878 | 02/21/2012 | Heart Failure | Gonzales Cemetary     |
| 8890    | Sponge    | Bob      | M      | 02/10/1995 | 04/11/2013 | Gun Shot      | Salinas Cemetary      |
| 9001    | John      | Doe      | M      | 04/15/1800 | 05/23/2015 | Suicide       | Soledad Cemetary      |

**Query:** SELECT \* FROM deathmembers WHERE FirstName = 'John' AND LastName = 'Doe' AND Birthdate = '04/15/1800';

| deathID | FirstName | LastName | Gender | Birthdate  | Died       | CauseOfDeath | Cemetary         |
|---------|-----------|----------|--------|------------|------------|--------------|------------------|
| 9001    | John      | Doe      | M      | 04/15/1800 | 05/23/2015 | Suicide      | Soledad Cemetary |

# Appendix C & D: DML Script

**Query:** SELECT \* FROM customers WHERE deathID = 9001;

| custID | FirstName | LastName | Address       | City          | State | Zip   | Telephone  | FeesPaid | ServiceType | deathID |
|--------|-----------|----------|---------------|---------------|-------|-------|------------|----------|-------------|---------|
| 78     | Johnny    | Doe      | 222 Castro St | San Francisco | CA    | 94101 | 8311234567 | 2000.00  | Cremation   | 9001    |

**Query:** SELECT \* FROM cemetery WHERE deathID = 9001;

| cemID | Cemetery         | City    | State | Zip   | Telephone  | deathID |
|-------|------------------|---------|-------|-------|------------|---------|
| 111   | Soledad Cemetery | Soledad | CA    | 93960 | 8315555555 | 9001    |



Website

Freeman Funeral Home



# Questions

?