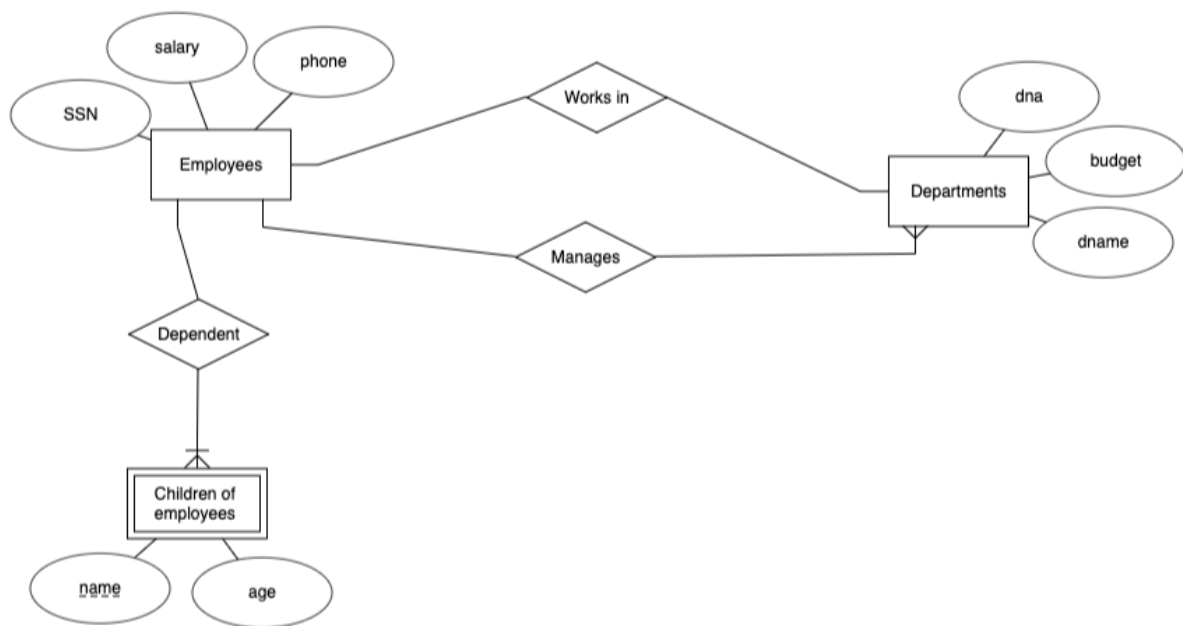


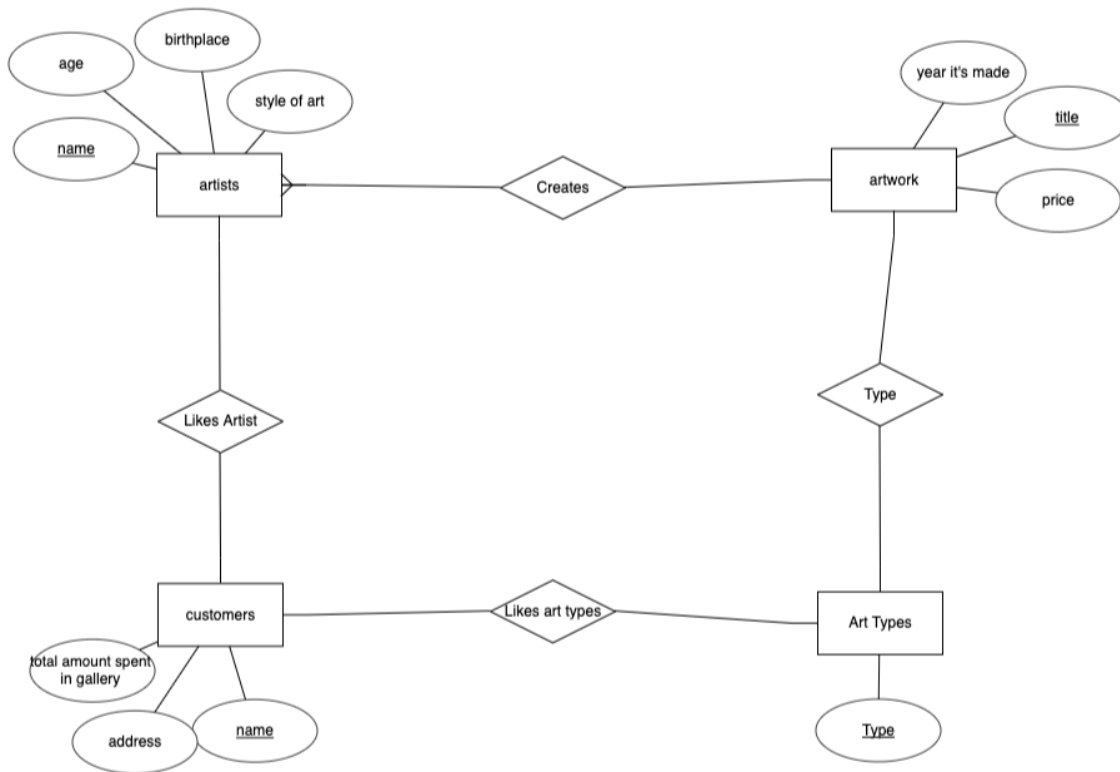
Ellen Yim
CS 166
Homework 1

Textbook (3rd edition) 2.4, 2.8, and 3.18

2.4)



2.8)



Constraint:

No artist should ever be deleted from the database while the Artwork is still in the gallery.

3.18)

```
Create Table Artist (  
    name CHAR(30),  
    birthplace CHAR(30),  
    age INTEGER,  
    style CHAR(30),  
    PRIMARY KEY (name));
```

```
Create Table Artwork (  
    title CHAR(30),  
    year INTEGER,  
    artistName CHAR(30),
```

```
PRIMARY KEY (title),  
FOREIGN KEY(artistName) REFERENCES Artist(name) );
```

```
Create Table ArtTypes (  
    type CHAR (30),  
    PRIMARY KEY (type) );
```

```
Create Table Customers (  
    name CHAR(30),  
    address CHAR (200),  
    totalMoneySpent FLOAT(12, 3) );
```

```
Create Table Type (  
    artworkTitle CHAR(30),  
    year INTEGER,  
    price FLOAT(12, 3),  
    artworkType CHAR(30),  
    FOREIGN KEY(artworkType) REFERENCES ArtTypes(type) );
```

```
Create Table LikesArtTypes (  
    customerName CHAR(30),  
    favoriteArt CHAR(30),  
    FOREIGN KEY (customerName) REFERENCES Customers(name),  
    FOREIGN KEY(favoriteArt) REFERENCES ArtType(type) );
```

```
Create Table LikesArtist (  
    customerName CHAR(30),  
    artistName CHAR(30),  
    FOREIGN KEY(customerName) REFERENCES Customers(name),  
    FOREIGN KEY(artistName) REFERENCES Artist(name) );
```