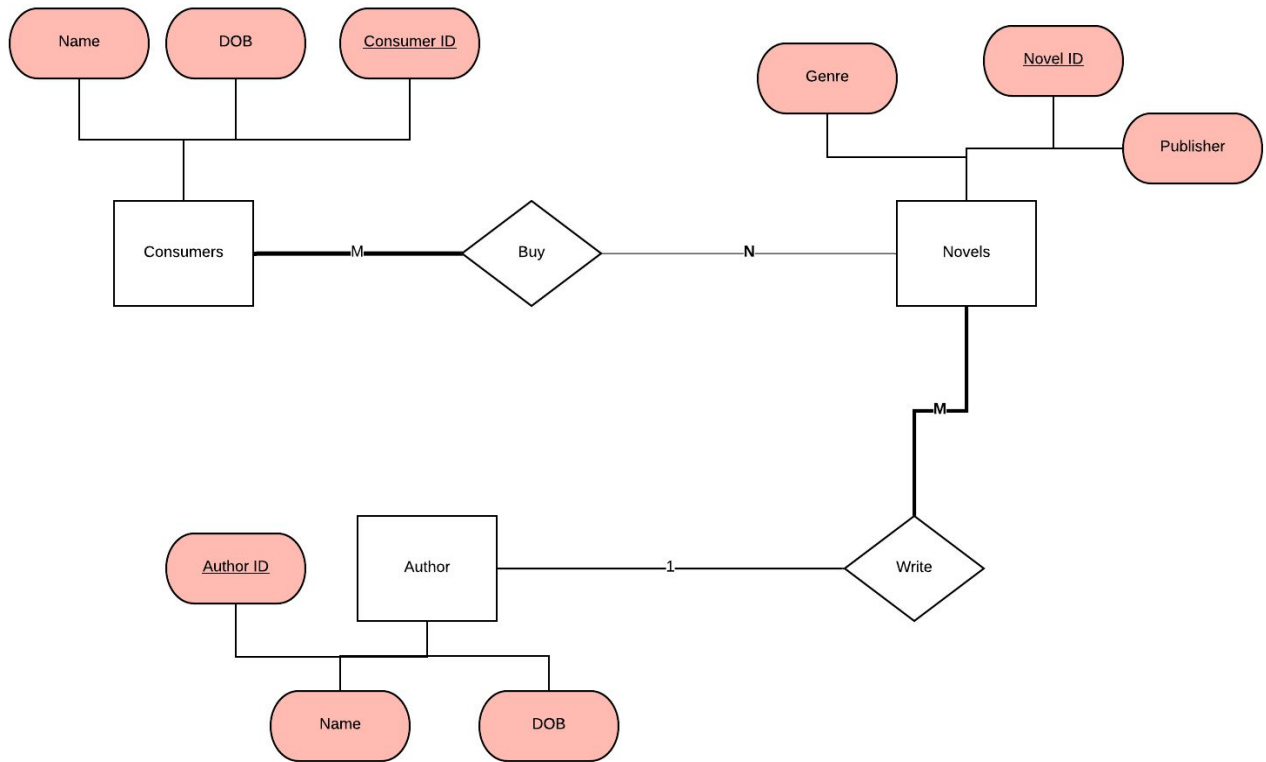


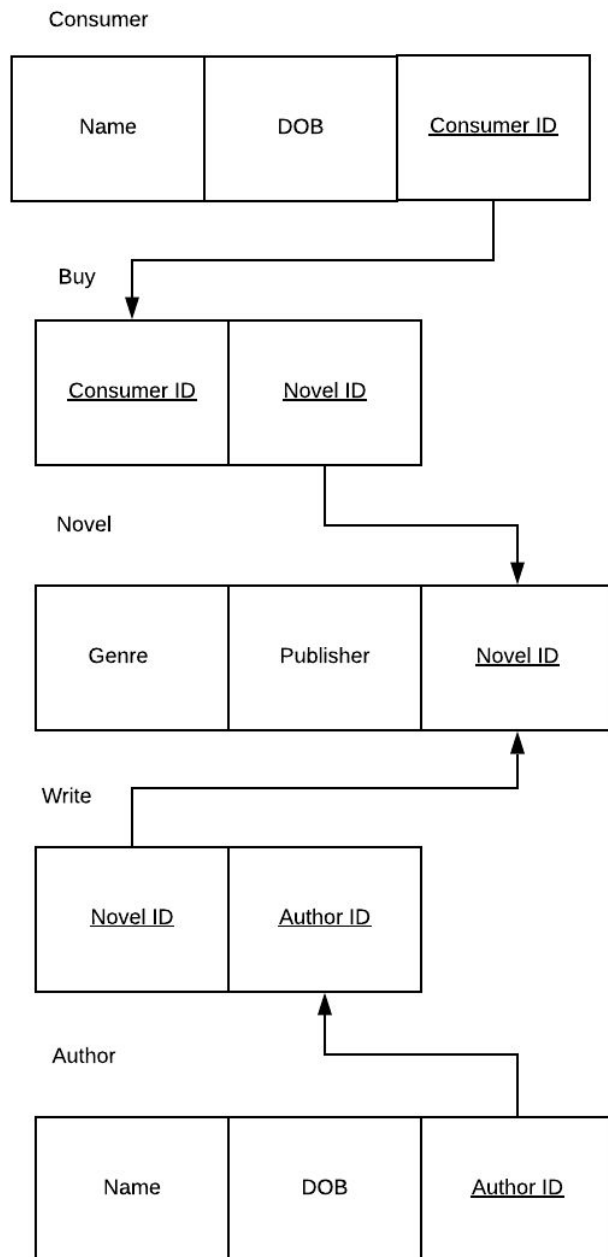
ERD - Son & Julian

Example 2: Consumers buy novels all the time. Novels are written by one author. Brainstorm at least 3 attributes would be important to store for each entity and make an ERD.



ERD

Son & Julian



ER - Son & Julian

Consumers - Julian

<u>ConsumerID</u>	INT	NOT NULL
Name	VARCHAR(50)	NOT NULL
DOB	DATE	NOT NULL

Buy - Julian

<u>ConsumerID</u>	INT	NOT NULL
<u>Novel ID</u>	INT	NOT NULL

Novels - Son

<u>Novel ID</u>	INT	NOT NULL
Genre	VARCHAR(50)	NOT NULL
Publisher	VARCHAR(50)	NOT NULL

Write - Son

<u>NovelID</u>	INT	NOT NULL
<u>AuthorID</u>	INT	NOT NULL

Authors - Son

<u>AuthorID</u>	INT	NOT NULL
Name	VARCHAR(50)	NOT NULL
DOB	DATE	NOT NULL

```
DROP TABLE IF EXISTS Consumers;  
DROP TABLE IF EXISTS Novels;  
DROP TABLE IF EXISTS Authors;
```

```
CREATE TABLE Consumers  
(  
    Name VARCHAR(50) NOT NULL,  
    DOB DATE NOT NULL,  
    ConsumerID INT NOT NULL,  
    PRIMARY KEY (ConsumerID)  
);
```

```
CREATE TABLE Novels  
(  
    Genre VARCHAR(50) NOT NULL,  
    Publisher VARCHAR(50) NOT NULL,  
    NovelID INT NOT NULL,  
    PRIMARY KEY (NovelID)  
);
```

```
CREATE TABLE Authors  
(  
    Name VARCHAR(50) NOT NULL,  
    DOB DATE NOT NULL,  
    AuthorID INT NOT NULL,  
    PRIMARY KEY (AuthorID)  
);
```

```
INSERT INTO Consumers(Name, DOB, ConsumerID)
VALUES ("Son", 2003, 11111);
```

```
INSERT INTO Consumers(Name, DOB, ConsumerID)
VALUES ("Julian", 2003, 12551);
```

```
INSERT INTO Consumers(Name, DOB, ConsumerID)
VALUES ("Gorilla", 2000, 42052);
```

```
INSERT INTO Consumers(Name, DOB, ConsumerID)
VALUES ("Vladimir", 1986, 12246);
```

```
INSERT INTO Novels(Genre, Publisher, NovelID)
VALUES ("Fantasy", "Oxford", 10001);
```

```
INSERT INTO Novels(Genre, Publisher, NovelID)
VALUES ("Fantasy", "Oxford", 10004);
```

```
INSERT INTO Novels(Genre, Publisher, NovelID)
VALUES ("Fantasy", "Oxford", 10025);
```

```
INSERT INTO Authors(Name, DOB, AuthorID)
VALUES ("Joanne Rowling", 1965, 12056);
```

```
INSERT INTO Authors(Name, DOB, AuthorID)
VALUES ("Rick Riordan", 1964, 10386);
```