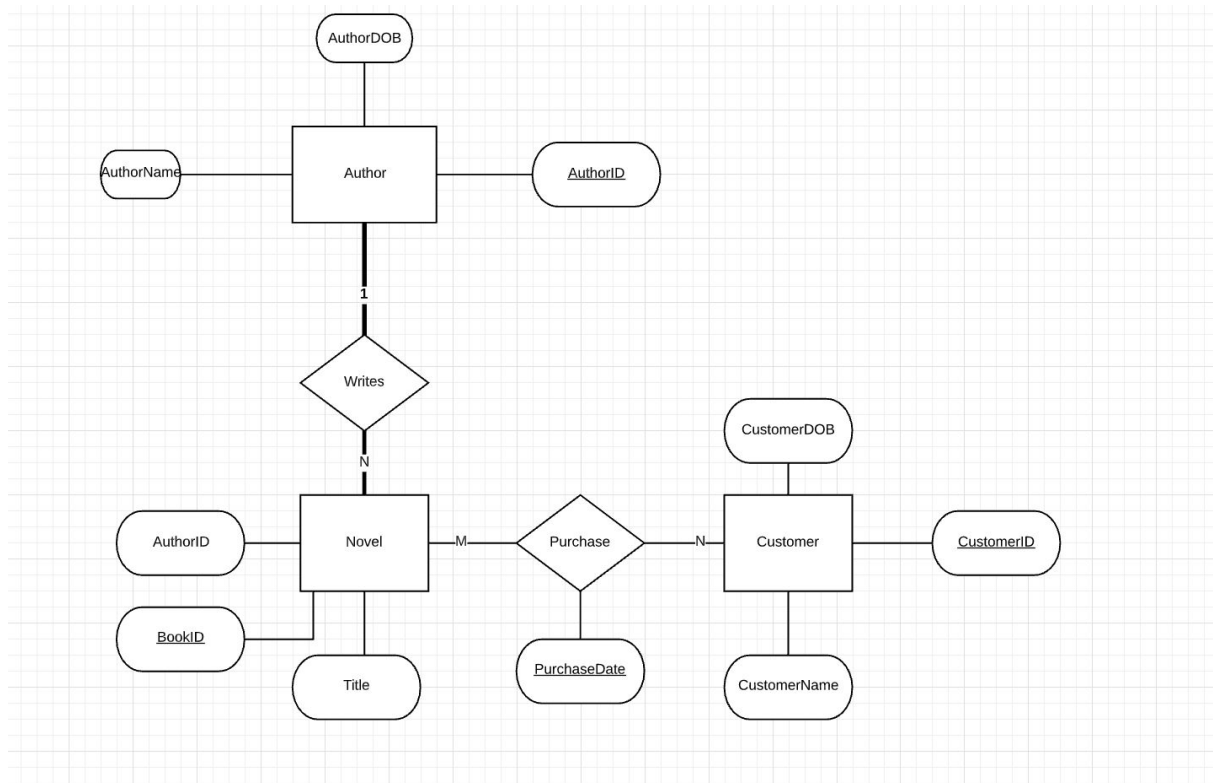
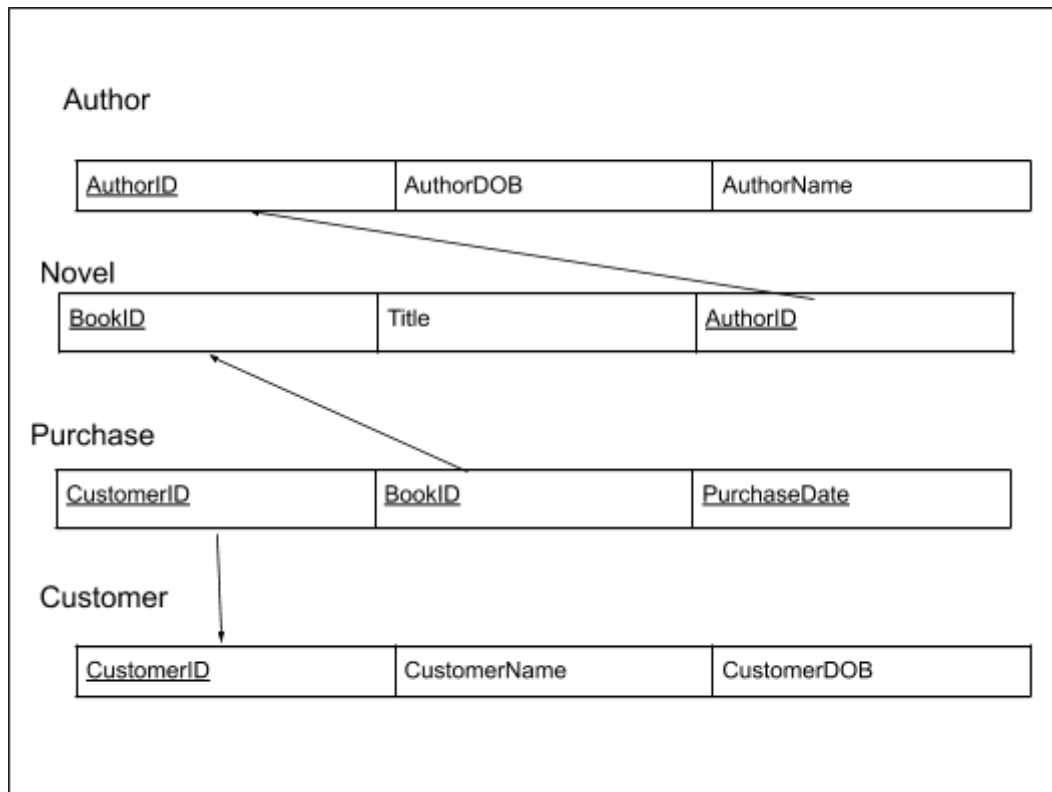


ERD (San & Albert)



ERD RELATIONAL MAPPING (San & Albert)



DATATYPE (San & Albert)

Author

<u>AuthorID</u>	INT	NOT NULL
AuthorDOB	DATE	NOT NULL
AuthorName	VARCHAR(50)	NOT NULL

Novel

<u>BookID</u>	INT	NOT NULL
Title	VARCHAR(50)	NOT NULL
AuthorID	INT	NOT NULL

Purchase

<u>CustomerID</u>	INT	NOT NULL
<u>BookID</u>	INT	NOT NULL
<u>PurchaseDate</u>	DATE	NOT NULL

Customer

<u>CustomerID</u>	INT	NOT NULL
CustomerName	VARCHAR(50)	NOT NULL
CustomerDOB	DATE	NOT NULL

DDL Part 1(Albert)

DROP TABLE IF EXISTS Purchase;
DROP TABLE IF EXISTS Novel;
DROP TABLE IF EXISTS Author;
DROP TABLE IF EXISTS Customer;

```
CREATE TABLE Author (  
    AuthorID INTEGER NOT NULL,  
    AuthorDOB    DATE NOT NULL,  
    AuthorName   VARCHAR(50) NOT NULL,  
    PRIMARY KEY(AuthorID)  
);
```

```
CREATE TABLE Novel (
    BookID INTEGER NOT NULL,
    Title VARCHAR(50) NOT NULL,
    AuthorID INTEGER NOT NULL,
    PRIMARY KEY(BookID),
    FOREIGN KEY(AuthorID) REFERENCES Author(AuthorID)
);
```

```
CREATE TABLE Customer (
    CustomerID INTEGER NOT NULL,
    CustomerName VARCHAR(50) NOT NULL,
    CustomerDOB DATE NOT NULL,
    PRIMARY KEY(CustomerID)
);
```

```
CREATE TABLE Purchase (
    CustomerID INTEGER NOT NULL,
    BookID INTEGER NOT NULL,
    PurchaseDate INTEGER NOT NULL,
    PRIMARY KEY(CustomerID, BookID, PurchaseDate),
    FOREIGN KEY(BookID) REFERENCES Novel(BookID),
    FOREIGN KEY(CustomerID) REFERENCES Customer(CustomerID)
);
```

Part 2 (San)

```
INSERT INTO Author(AuthorID, AuthorDOB, AuthorName) VALUES (1, '8/24/1977', 'John Green');
INSERT INTO Author(AuthorID, AuthorDOB, AuthorName) VALUES (2, '9/21/1947', 'Stephen King');
INSERT INTO Author(AuthorID, AuthorDOB, AuthorName) VALUES (3, '2/27/1902', 'John Steinbeck');
INSERT INTO Author(AuthorID, AuthorDOB, AuthorName) VALUES (4, '4/4/1928', 'Maya Angelou');
```

```
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (1, 'Looking for Alaska', 1);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (2, 'The Fault in Our Stars', 1);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (3, 'The Shining', 2);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (4, 'The Grapes of Wrath', 3);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (5, 'Of Mice and Men', 3);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (6, 'East of Eden', 3);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (7, 'I Know Why the Caged Bird Sings', 4);
INSERT INTO Novel(BookID, Title, AuthorID) VALUES (8, 'And Still I Rise', 4);
```

```
INSERT INTO Customer(CustomerID, CustomerDOB, CustomerName) VALUES (1, '2/7/2003', 'San Kwon');
INSERT INTO Customer(CustomerID, CustomerDOB, CustomerName) VALUES (2, '9/9/2002', 'Albert Wang');
INSERT INTO Customer(CustomerID, CustomerDOB, CustomerName) VALUES (3, '10/7/2003', 'Ben Nguyen');
```

```
INSERT INTO Purchase(PurchaseDate, CustomerID, BookID) VALUES ('1/3/2020', 1, 6);
INSERT INTO Purchase(PurchaseDate, CustomerID, BookID) VALUES ('2/24/2020', 1, 3);
INSERT INTO Purchase(PurchaseDate, CustomerID, BookID) VALUES ('11/17/2019', 1, 7);
INSERT INTO Purchase(PurchaseDate, CustomerID, BookID) VALUES ('11/25/2019', 2, 1);
INSERT INTO Purchase(PurchaseDate, CustomerID, BookID) VALUES ('12/24/2019', 2, 4);
```