# Team 11 Sprint
## Mobile Book Entity Relationship Diagram

**Genre**
-------------
Genre_ID: SERIAL PK
Genre_name: varchar NOT NULL
Description: text

**Author**
-------------
Author_ID: Serial PK
Author_Name: varchar NOT NULL

**Book**
-------------
Book_ID Serial PK
ISBN varchar NOT NULL
Title: varchar NOT NULL
Year: int
Author_ID: serial FK NOT NULL
Genre_ID: serial FK

**Book/Receipt**
-------------
Book_ID: Serial PK FK
Purchase_ID: Serial PK FK
quantity: int

**Receipt**
-------------
Purchase_ID: Serial PK FK
date_time: Date
Amount: decimal(10,2) NOT NULL
Payment_Type: varchar
Customer_ID: int FK

**Book/Location**
-------------
Book_ID:  Serial PK FK
Location_ID:Serial PK FK
Quantity: int

**Staff**
-------------
Staff_ID: Serial PK
Name: varchar NOT NULL
Address: varchar NOT NULL
phone_number: varchar NOT NULL
location_id: Serial FK NOT NULL

**BookMobileLocation**
-------------
Location_ID: Serial PK FK
phone_number: varchar NOT NULL
address: varchar NOT NULL
email: varchar NOT NULL

**Customer**
-------------
Customer_ID: Serial PK
Name: varchar NOT NULL
Address: varchar NOT NULL
Phone: varchar NOT NULL
Email: varchar NOT NULL

Legend:
1 : 1
1 : 0..1
1 : N
1 : 1..N
1 : 0..N
N : N
1..N : 1..N
0..N : 0..N