## ER Diagram

Business

Own

Hotel

Books

Customer

## SQL Schema

CUSTOMER (Customer\_ID, Customer\_Name\_First, Customer\_Name\_Last, Customer\_Email)

HOTEL (Hotel\_ID, Country, Address, Hotel\_Name, Numb\_of\_Rooms, Free\_Cancellations, Price\_Per\_Night)

BUSINESS (Business\_ID, Business\_Name, Business\_Email)

OLD

Customer(Customer\_ID, Customer\_name\_first, Customer\_name\_middle, Customer\_name\_last, Cust\_DOB, Cust\_Email)

Cust\_ph (Customer\_ID, Customer\_phone)

Account(Account\_username, Account\_Password, account\_type)

Hotel (Hotel\_ID, Hotel\_Name, Hotel\_Address\_num, Hotel\_Address\_street, Hotel\_Address\_Suburb, Hotel\_total\_rooms, Hotel\_rooms\_booked, Hotel\_priceperroom)

Business(Business\_ID, Bus\_email, Bus\_weblink , Bus\_total\_number\_of\_hotels\_owned)

Bus\_country(Business\_ID, Bus\_Country, Bus\_number\_of\_hotels)

Bus\_ph(Business\_ID, Business\_contact\_number)

Weak entity

Booking(Customer\_ID, Booking\_ID, Booked\_on\_date, Booking\_current, Hotel\_name, booking\_start\_date, booking\_end\_date, booking\_location)

NEW

Strong - Customer(Customer\_ID, Customer\_name\_first, Customer\_name\_last, Cust\_DOB, Cust\_Email)

Customer\_phone\_number (Customer\_ID, Customer\_phone\_number)

Strong - Account(Customer\_ID(foreign key & Primary key), Account\_ID(primary key), Opening\_date, Account\_username, Account\_Password, account\_type)

Strong - Hotel (Business\_ID(Foreign key), Hotel\_ID, Hotel\_Name, Hotel\_total\_rooms, Hotel\_rooms\_booked, Hotel\_priceperroom,)

Hotel\_Address( Hotel\_ID, number, street, suburb, post\_code)

Strong - Business(Account\_ID(foreign key), Business\_ID, Bus\_email, Bus\_weblink , Bus\_total\_number\_of\_hotels\_owned)

Bus\_country(Business\_ID, Bus\_Country, Bus\_number\_of\_hotels)

Bus\_ph(Business\_ID, Business\_contact\_number)

Booking(Account\_ID(Foreign Key), Hotel\_ID(Foreign Key), status, Booked\_on\_date, Hotel\_name, booking\_start\_date, booking\_end\_date, booking\_location)

With Types

Customer ( Customer\_ID INT, Customer\_name\_first TEXT, Customer\_name\_last TEXT, Cust\_DOB DATE, Cust\_Email TEXT)

Customer\_phone\_number ( Customer\_ID INT, Customer\_phone\_number INT)

Account ( Customer\_ID INT, Account\_ID INT, Opening\_date DATE, Account\_username TEXT, Account\_Password TEXT, account\_type CHAR(10))

Hotel ( Business\_ID INT, Hotel\_ID INT, Hotel\_Name TEXT,Hotel\_total\_rooms INT, Hotel\_rooms\_booked INT, Hotel\_priceperroom INT)

Hotel\_Address ( Hotel\_ID INT, Street\_number INT, street TEXT, suburb TEXT, post\_code CHAR(10) )

Booking ( Account\_ID INT, Hotel\_ID INT, Booked\_on\_date DATE, Hotel\_name TEXT, booking\_start\_date DATE, booking\_end\_date DATE, booking\_location TEXT )

Business ( Account\_ID INT, Business\_ID INT, Bus\_email TEXT, Bus\_weblink TEXT, Bus\_total\_number\_of\_hotels\_owned INT)

Business\_country ( Business\_ID INT, Bus\_Country INT, Bus\_number\_of\_hotels INT)

Business\_phone\_number ( Business\_ID INT, Business\_contact\_number INT)