

Databases 1 - Burger Shack Database

C21446556 – Deyor Abidjanov

Domain Types:

Domain Types	Type Definition	Reason Introduced	Example
Name	varchar(100)	For attributes which are character-based people's names	Name in entities, "Managers", "Waiters", "Customers".
Email	varchar(100)	For attributes which are character-based e-mail addresses	Email in entities, "Managers", "Waiters", "Customers", "COVID_Details".
Phone	var(20)	For attributes which represent people's phone numbers.	Phone in entities, "Managers", "Waiters", "Customers", "COVID_Details".
Address	varchar(200)	For attributes which are character-based people's addresses	Phone in entities, "Managers", "Waiters", "Customers".
ID	NUMBER	For attributes which represents primary keys	ID in every entity
Date	DATE	For attributes which represents dates of certain events	Date in Entities "Managers" and "Waiters" in the field "D.O.B."

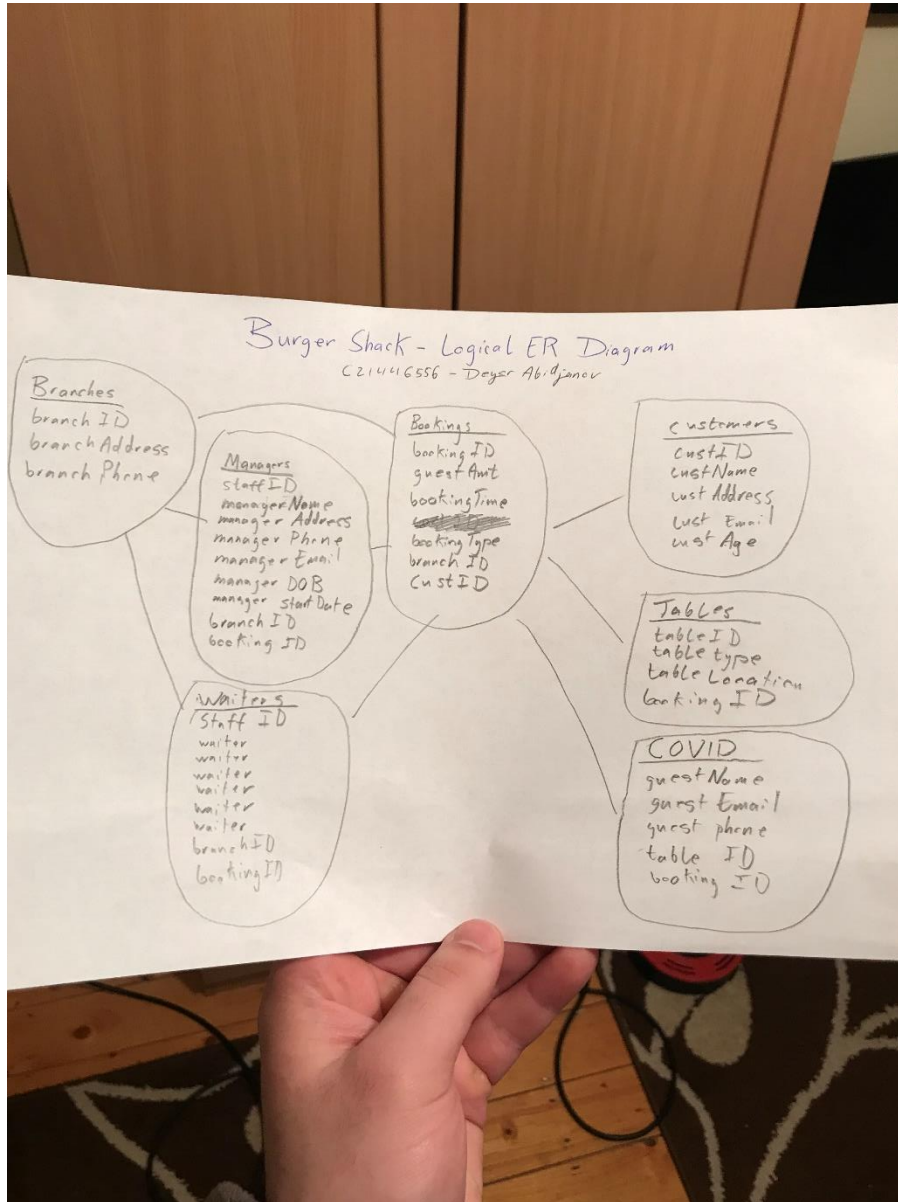
Non-key constraints:

Constraint type	Name given	Reasons for introducing it
CHECK	"bookingType_chk"	Ensures that value is either, "Online", "Walk-in" or "Phone"
UNIQUE	Fields containing e-mail addresses (defined at column level)	All e-mail addresses must be unique except for the guests in the table, "COVID_Details".
UNIQUE	Fields containing phone numbers. (defined at column level)	All phone numbers must be unique except for the guests in the table, "COVID_Details".
CHECK (BETWEEN)	"guestAmt_chk"	Ensures that value is between 1 and 8 people
CHECK (COMPARISON)	"custAge_chk"	Ensures that values is equal to or greater than 18 years old for customers.
CHECK (IN)	"tableType_chk"	Ensures that value is either of these, "2, 4, 6, 8".
CHECK (IN)	"tableLocation_chk"	Ensures that value is either, "Interior" or "Window".
CHECK (LIKE)	"waiterEmail_chk"	Ensures that value ends with "@burgershack.com"

CHECK (LIKE)	"managerEmail_chk"	Ensures that value ends with "@burgershack.com"
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ERD:

- Logical



- Physical

Burger Shack - Physical ER Diagram

Deyyor Abidjanov | December 6, 2022

