Draft ERD & Brief Description of Database space

Business Space:
Airbnb, as in "Air Bed and Breakfast," is a service that lets property owners rent out their spaces to travelers looking for a place to stay. It is basically a marketplace where on one side are the hosts looking to rent out their property for a specific time period and on the other side are travelers looking for an affordable and unique staying experience.
We as international students are always looking for alternatives to a hotel while traveling across unknown locations. Airbnb provides the perfect solution and hence we look forward to understanding their business model through their data and database design.

Typical Users:
1. Business Analysts
2. Product/Program Managers
3. Web Designers

Decision Making:
1. Business Analysts - Business Analysts assist in writing reports and analyzing data relevant to business performance and goals. To this end, our dataset can help them focus on helping Airbnb recognize areas that need improvement and developing processes aimed at making these improvements.

2. Product Managers - A product manager is the person who identifies the customer need and the larger business objectives that a product or feature will fulfill, articulates what success looks like for a product, and rallies a team to turn that vision into a reality. This dataset can help PM's identify the customer need via feedback and surveys and define business objectives that ultimately contribute to the development and growth of Airbnb.

3. Web Designers - Web Designers create and build websites and web pages by combining any number of visual design elements including text, photos, graphics, animations and videos. With our dataset, a Web Designer could create a brand new website or simply make updates to the design and layout of existing pages to make it visually appealing and easily navigated for consumers. Feedback data, listing data would be extremely crucial for these users.

DRAFT ERD:

Listing

PK	**listing_id int NOT NULL**
	listing_name varchar(50)
	address varchar(50)
	avgListing_rating numeric(3,2)
	zipcode char(5)
	noOfBedrooms int
	noOfBathrooms int
	sqftLiving int
	sqftTotal int
	maxGuests int
	petFlag char(1)
	smokingFlag char(1)
	drinkingFlag char(1)
FK1	listingType_id int

Host

PK	**host_id int NOT NULL**
	hostFname varchar(50)
	hostLname varchar(50)
	hostDOB date
	gender char(1)
	hostAddress varchar(50)
	avgHost_rating numeric(3,2)

Customer

PK	**customer_id int NOT NULL**
	customerLname varchar(20)
	customerFname varchar(20)
	customerAddress varchar(50)
	customerDOB date
	gender char(1)
	avgCustomer_rating numeric(6,2)
FK1	customerType_id int

CustomerType

PK	**customerType_id int NOT NULL**
	customerType varchar(20)

ListingType

PK	**listingType_id int NOT NULL**
	listingType varchar(20)

Booking

PK	**booking_id int NOT NULL**
FK1	host_id int
FK2	customer_id int
FK3	listing_id int
FK4	payment_id int
	checkinDate date
	checkoutDate date
	rating numeric(3,2)
	review varchar(500)
	noOfDays int

Payment

PK	**payment_id int NOT NULL**
FK1	paymentType_id int
	amount numeric(10,2)
	paymentDate date
FK2	promotion_id int

Promotion

PK	**promotion_id int NOT NULL**
FK1	promotionType_id int
	promotionAmount numeric(10,2)
	promotionDetails varchar(200)

PromotionType

PK	**promotionType_id int NOT NULL**
	promotiontype varchar(20)

PaymentType

PK	**paymentType_id int NOT NULL**
	paymentType varchar(20)