Entity Relationship Diagrams

users

PK	id_INTEGER_NOT NULL
	first_name VARCHAR(255) NOT NULL
	last_name VARCHAR(255) NOT NULL
	email VARCHAR(255) NOT NULL
	password VARCHAR(255) NOT NULL
	created_at TIMESTAMP NOT NULL
	updated_at TIMESTAMP NOT NULL
	access_level INTEGER

rooms

PK	id INT NOT NULL
	room_name VARCHAR(255)

reservations

PK	id INT NOT NULL
	first_name VARCHAR(255) NOT NULL
	last_name VARCHAR(255) NOT NULL
	email VARCHAR(255) NOT NULL
	phone_number VARCHAR(255) NOT NULL
	start_date DATE NOT NULL
	end_date DATE NOT NULL
FK	room_id INT NOT NULL

room_restrictions

PK	id INT NOT NULL
	start_date DATE NOT NULL
	end_date DATE NOT NULL
FK	room_id INT NOT NULL
FK	reservation_id INT NOT NULL
	created_at TIMESTAMP
	updated_at TIMESTAMP
FK	restriction_id INT NOT NULL

restrictions

PK	id INT NOT NULL
	restriction_name VARCHAR(255)
	created_at TIMESTAMP
	updated_at TIMESTAMP

This table is a means of determining whether or not a given room is available on a given day

**there may be other information we want to store.
maybe we want to display the price of a room or of a given stay in a given room ...**

**so we have to have a price for a room , so i could put a price column in the rooms table !!
or i could create another table called prices and allow different prices for different times of the year**