Furssan Fight Club

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What and Why
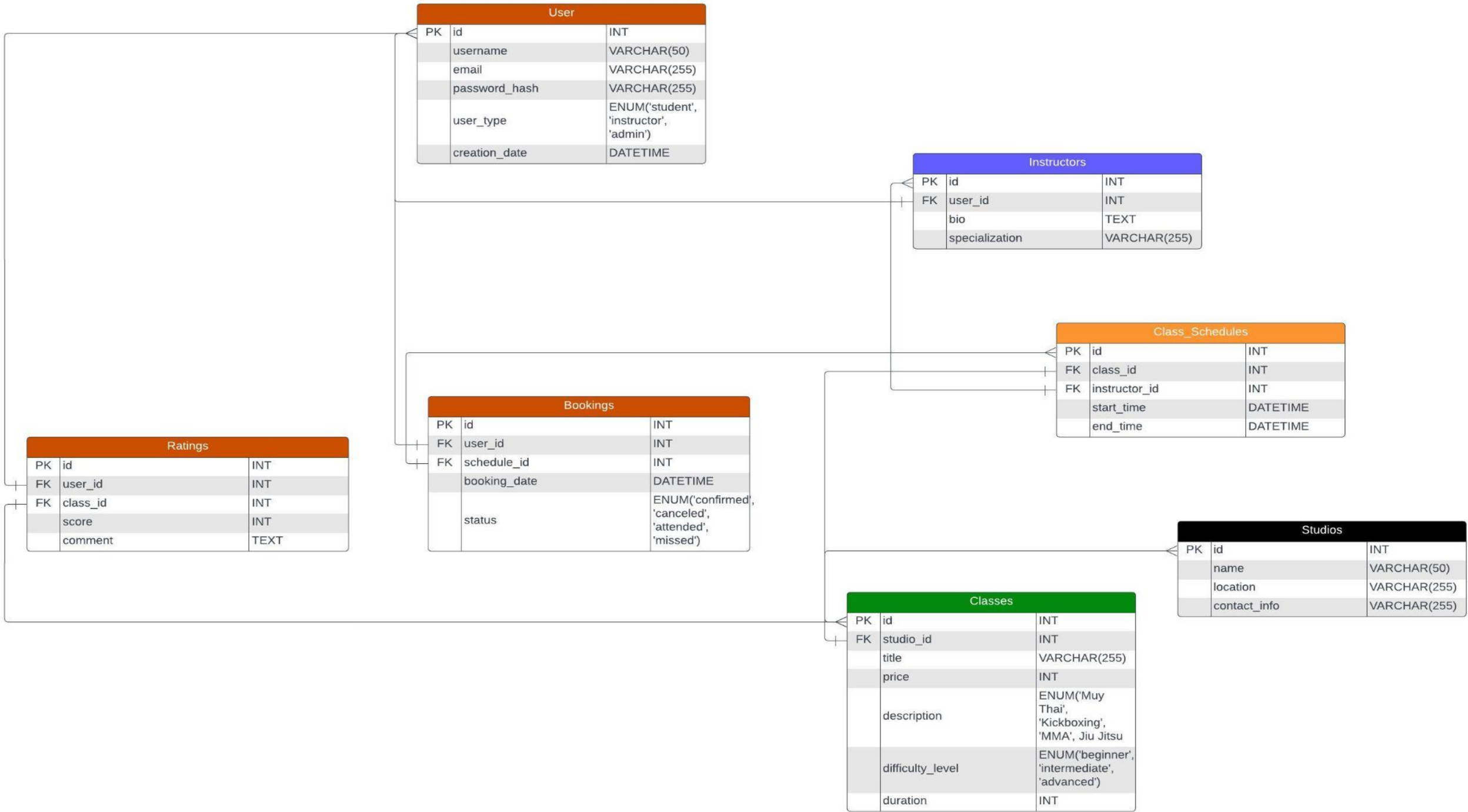
THE IDEA: BOOKING SYSTEM FOR MARTIAL ARTS CLASSES

PURPOSE: To give users the option to book fighting classes, with options of different fighting arts, times, payment methods, etc
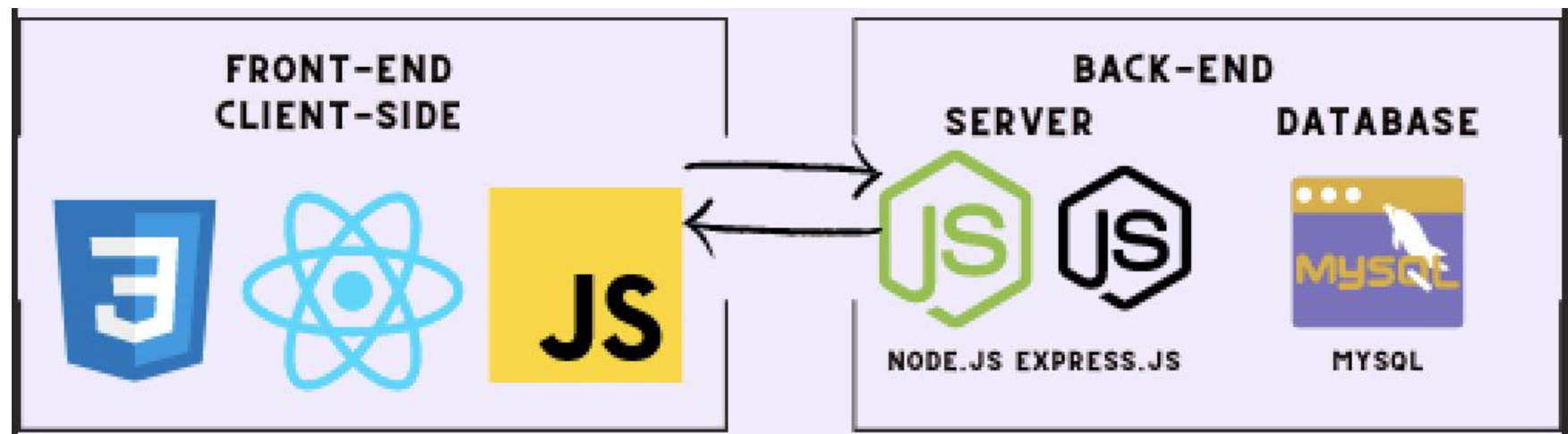
A fighting gym's data offers insights on fitness and martial arts enthusiasts, making it attractive for targeted sports and health product ads. Advertisers can use this data to precisely reach individuals interested in their products.

How (describe 2+ functional requirement in user the story telling way)

1. New member signs up online, filling out a form to become a gym member.
2. Member searches for classes based on one or more of the following: reviews, instructor(s), studio(s), martial arts type
3. Member views the full gym schedule to pick a convenient training time.
4. Member books a personal training session and pays online to confirm their spot. If the class is full, the system shows that the class is full.
5. If the Member cancels a booking, the slot reopens for others, and the member gets a cancellation confirmation.

User

PK	id	INT
	username	VARCHAR(50)
	email	VARCHAR(255)
	password_hash	VARCHAR(255)
	user_type	ENUM('student', 'instructor', 'admin')
	creation_date	DATETIME

Instructors

PK	id	INT
FK	user_id	INT
	bio	TEXT
	specialization	VARCHAR(255)

Class_Schedules

PK	id	INT
FK	class_id	INT
FK	instructor_id	INT
	start_time	DATETIME
	end_time	DATETIME

Bookings

PK	id	INT
FK	user_id	INT
FK	schedule_id	INT
	booking_date	DATETIME
	status	ENUM('confirmed', 'canceled', 'attended', 'missed')

Ratings

PK	id	INT
FK	user_id	INT
FK	class_id	INT
	score	INT
	comment	TEXT

Studios

PK	id	INT
	name	VARCHAR(50)
	location	VARCHAR(255)
	contact_info	VARCHAR(255)

Classes

PK	id	INT
FK	studio_id	INT
	title	VARCHAR(255)
	price	INT
	description	ENUM('Muy Thai', 'Kickboxing', 'MMA', Jiu Jitsu
	difficulty_level	ENUM('beginner', 'intermediate', 'advanced')
	duration	INT

The Stack

FRONT-END
CLIENT-SIDE

BACK-END

SERVER   DATABASE

NODE.JS EXPRESS.JS   MYSQL

Member Roles

FURQAN KHAN

HASSAN FARDOUS

Front-end:

React, JS, CSS

Server-side Backend:

Node.js and Express.js

Backend Database:
MySQL

Database: MySQL

Q&A