Coding Assignment

Overview

This assignment evaluates your ability to design a backend/data solution, work with relational or NoSQL databases, and deploy a working application within a strict time limit.

Prerequisites

- GitHub account

- PostgreSQL or MongoDB

- Vercel account

Time & Submission Rules

- Time limit: 2 hours

- Any commit or deployment after 2 hours will lead to elimination

- AI tools are allowed, but you must understand your code

Venues

venue_id	name	location
1	Grand Slam Arena	North Hills
2	City Kickers Turf	Downtown
3	AquaBlue Pool Center	Westside
4	Smash Point Badminton	East District
5	Legends Cricket Ground	Suburbs

Bookings

booking_id	venue_id	sport_id	member_id	booking_date	amount	coupon_code	status
1	1	1	1	2025-12-12 10:00	500.00		Completed
2	2	2	2	2025-12-13 14:00	1200.00		Confirmed
3	3	3	7	2025-12-13 07:00	300.00	EARLYBIRD	Confirmed
4	4	4	4	2025-12-13 18:00	400.00	WELCOME50	Confirmed
5	5	5	5	2025-12-14 09:00	1500.00		Confirmed
6	1	1	1	2025-12-13 10:00	500.00	SAVE10	Confirmed
7	2	2	8	2025-12-15 16:00	600.00		Confirmed
8	3	3	3	2025-12-10 15:00	300.00		Cancelled

Transactions

transaction_id	booking_id	type	amount	status	transaction_date
101	1	Booking	500.00	Success	2025-12-12
102	2	Coaching	1200.00	Success	2025-12-13
103	3	Booking	270.00	Success	2025-12-13
104	4	Booking	200.00	Success	2025-12-13
105	5	Booking	1500.00	Success	2025-12-14
106	6	Booking	450.00	Success	2025-12-13
107	7	Coaching	600.00	Dispute	2025-12-15
108	8	Booking	300.00	Refunded	2025-12-10

Members

member_id	name	status	is_trial_user	converted_from_trial	join_date
1	Rahul Sharma	Active	false	false	2025-10-15
2	Priya Singh	Active	true	true	2025-11-01
3	Amit Patel	Inactive	false	false	2025-09-10
4	Sneha Gupta	Active	false	true	2025-11-20
5	Vikram Malhotra	Active	true	false	2025-12-10
6	Anjali Desai	Inactive	true	false	2025-11-05
7	John Doe	Active	false	false	2025-08-15
8	Sarah Lee	Active	true	true	2025-12-01

Evaluation Criteria

- Correctness of data modeling

- Code readability and structure

- Handling of edge cases

- Timely submission

General   Booking   Coaching

Dashboard

All Venues ⌄   All Sports ⌄   Select Mont... 📅

Active Members	Inactive Members	Trial Conversion Rate	Coaching Revenue
3	0	50.00%	₹2,753.00

Bookings	Booking Revenue	Slots Utilization	Coupon Redemption
1	₹0.00	0.00%	0

Repeat Booking	Total Revenue	Refunds & Disputes
0.00%	₹2,753.00	1

Revenue - Venues

people that you want to meet with

General   Booking   Coaching

Dashboard

All Venues 🔍   All Sports ⌄   Select Mont... 📅

All Venues
Ahmedabad Racquet ...
Marquis Tennis Acade...
Kombat Hall
Sarah Sports Academy

Active Members	Inactive Members	Trial Conversion Rate
3	0	50.00%

Bookings	Booking Revenue	Slots Utilization
1	₹0.00	0.00%

Repeat Booking	Total Revenue	Refunds & Disputes
0.00%	₹2,753.00	1

Revenue - Venues

people that you want to meet with   All Venues