

ER Model

Trainer_availability

Availability_id	Trainer_id	Start_time	End_time	Day_of_work
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Primary Key: Availability_id

Foreing key: Trainer_id

Room

Room_id	Admin_id	Room_type	Capacity	Current_status
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Primary Key: room_id

Foreing key: admin_id

Metric

Metric_id	Member_id	Record_date	Height	Weight	Heart_rate
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Primary Key: metric_id

Foreing key: member_id

Member

Member_id	Name	Email	Gender	Date_of_birth	Phone_number	Password
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Primary Key: member_id

Invoice

Invoice_id	Member_id	Admin_id	Payment_method	Status	Price_type	Total_price	Issue_date	Due_date
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Primary Key: invoice_id

Foreign key: member_id, admin_id

Fitness_goal

Goal_id	Member_id	Tartget_type	Target_value	Start_date	End_date	Is_active
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Primary Key: goal_id

Foreign key: member_id

Equipment

Equipment_id	Room_id	Admin_id	Equipment_name	Current_status
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Primary Key: equipment_id

Foreign key: admin_id, room_id

Equipment_log

Log_id	Admin_id	Equipment_id	Issue_description	Repair_task	Log_date	Resolution_date
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Primary Key: log_id

Foreign key: admin_id, equipment_id

Classes

<u>Class_id</u>	Trainer_id	Room_id	Member_id	Class_type	Start_time	End_time	Start_date
d	d	d	d	e	e	e	e

Primary Key: class_id

Foreign key: trainer_id, room_id, member_id

Class_enrollment

<u>Member_id</u>	<u>Class_id</u>	Enrollment_date

Primary Key: class_id, member_id

Admin

<u>Admin_id</u>	Name	Email	password

Primary Key: admin_id