

## ER Model

### Trainer\_availability

<u>Availability_id</u>	<u>Trainer_id</u>	Start_time	End_time	Day_of_work
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Primary Key: Availability\_id

Foreing key: Trainer\_id

### Room

<u>Room_id</u>	<u>Admin_id</u>	Room_type	Capacity	Current_status
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Primary Key: room\_id

Foreing key: admin\_id

### Metric

<u>Metric_id</u>	<u>Member_id</u>	Record_date	Height	Weight	Heart_rate
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Primary Key: metric\_id

Foreing key: member\_id

### Member

<u>Member_id</u>	Name	Email	Gender	Date_of_birth	Phone_number	Password
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Primary Key: member\_id

### Invoice

<u>Invoice_id</u>	<u>Member_id</u>	<u>Admin_id</u>	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

<u>Goal_id</u>	<u>Member_id</u>	Target_type	Target_value	Start_date	End_date	Is_active
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Primary Key: goal\_id

Foreign key: member\_id

### Equipment

<u>Equipment_id</u>	<u>Room_id</u>	<u>Admin_id</u>	Equipment_name	Current_status
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Primary Key: equipment\_id

Foreign key: admin\_id, room\_id

### Equipment\_log

<u>Log_id</u>	<u>Admin_id</u>	<u>Equipment_id</u>	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>	<u>Trainer_id</u>	<u>Room_id</u>	<u>Member_id</u>	Class_type	Start_time	End_time	Start_date
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Primary Key: class\_id

Foreign key: trainer\_id, room\_id, member\_id

### Class\_enrollment

<u>Member_id</u>	<u>Class_id</u>	Enrollment_date
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Primary Key: class\_id, member\_id

### Admin

<u>Admin_id</u>	Name	Email	password
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Primary Key: admin\_id