COMP3005
Final Project
2NF/3NF
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1. Members
member_id → fName, lName, email, password, health_metrics, fitness_goals, loyalty_points
email → member_id (assuming email is unique)

2. Trainers
trainer_id → fName, lName, email, password, certification_details
email → trainer_id (assuming email is unique)

3. Sessions
session_id → member_id, trainer_id, date, time, status

4. Progress Notes
note_id → session_id, note_text

5. Classes
class_id → class_name, description, schedule, capacity

6. Class Participants
class_id, member_id → class_id, member_id

This table is a junction table with a many to many relationship between Classes and Members.
The composite primary key ensures uniqueness.

7. Admins
admin_id → fName, lName, email, password
email → admin_id (assuming email is unique)

8. Room Bookings
booking_id → room_id, date, time, status

9. Rooms
room_id → room_name, capacity, description

10. Equipment Maintenance
maintenance_id → equipment_id, date, status

11. Equipment
equipment_id → equipment_name, type, manufacturer, purchase_date, price

12. Billing Transactions

transaction_id → member_id, amount, transaction_date, payment_status

2NF
- All tables have a PK
- No partial dependencies exist

3NF
- No transitive dependencies exist