



PL/SQL PROJECT

# GYM PROGRESS TRACKER DATABASE

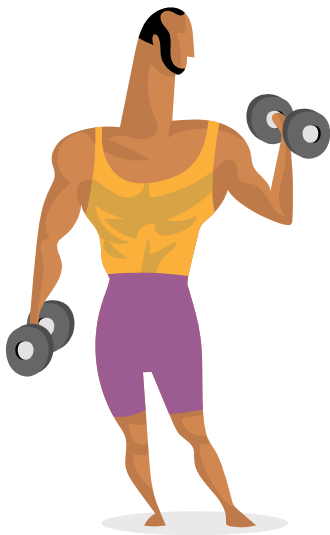
## ORACLE APEX

JOASH DALIGCON  
LANCE MIRANO

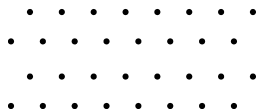


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# Overview



This database manages aspects of gym operations such as member registration, attendance tracking, and payment transactions. It also monitors members' progress through attributes such as calorie intake, height and weight for effective fitness management. Furthermore, it keep tracks of trainer assignments and equipment usage, that can aid in determining training insights and optimizing the overall gym experience.



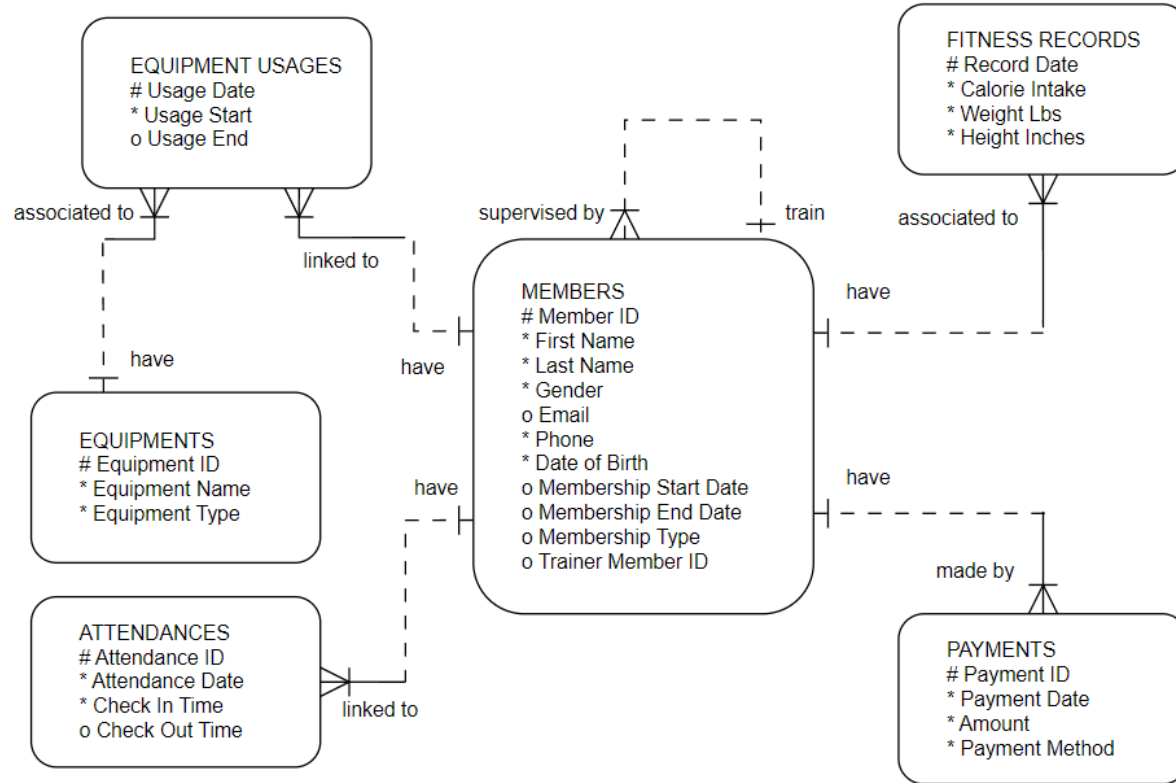


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# DATABASE DESIGN

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# Project ERD

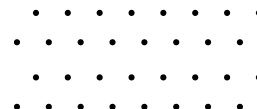
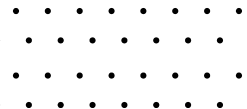




# Business Rules



1. Each member may be supervised by a member (trainer)
2. Each member (trainer) may train one or many members
3. Each attendance record must be linked to one and only one member
4. Each member may have one or many attendance records
5. Each equipment usage must be linked to one and only one member
6. Each member may have one or many equipment usages
7. Each equipment usage must be associated to one and only one equipment
8. Each equipment may have one or many equipment usages
9. Each fitness record must be associated to one and only one member
10. Each member may have one or many fitness records
11. Each payment record must be made by one and only one member
12. Each member may have one or many payment records



# Creating the Tables

```
-- Create the Members table
CREATE TABLE Members (
  MemberID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
  FirstName VARCHAR2(50) NOT NULL,
  LastName VARCHAR2(50) NOT NULL,
  Gender CHAR(1) NOT NULL,
  Email VARCHAR2(50),
  Phone VARCHAR2(20) NOT NULL,
  DateOfBirth DATE NOT NULL,
  MembershipStart DATE,
  MembershipEnd DATE,
  MembershipType VARCHAR2(10),
  TrainerMbrID NUMBER
);

-- Create the Payments table
CREATE TABLE Payments (
  PaymentID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
  PaymentDate DATE NOT NULL,
  Amount NUMBER(10, 2) NOT NULL,
  PaymentMethod VARCHAR2(50) NOT NULL,
  MemberID NUMBER NOT NULL
);
```

```
-- Create the Attendances table
CREATE TABLE Attendances (
  AttendanceID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
  AttendanceDate DATE NOT NULL,
  CheckInTime TIMESTAMP NOT NULL,
  CheckOutTime TIMESTAMP,
  MemberID NUMBER NOT NULL
);

-- Create the Equipments table
CREATE TABLE Equipments (
  EquipmentID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,
  EquipmentName VARCHAR2(50) NOT NULL,
  EquipmentType VARCHAR2(50) NOT NULL
);

-- Create the EquipmentUsages table
CREATE TABLE EquipmentUsages (
  UsageDate DATE NOT NULL,
  MemberID NUMBER NOT NULL,
  EquipmentID NUMBER NOT NULL,
  UsageStart TIMESTAMP NOT NULL,
  UsageEnd TIMESTAMP,
  -- Member can use each equipment once per day:
  -- MemberID + UsageDate + EquipmentID must be unique
  PRIMARY KEY (UsageDate, MemberID, EquipmentID)
);
```

```
-- Create the FitnessRecords table
CREATE TABLE FitnessRecords (
  RecordDate DATE NOT NULL,
  MemberID NUMBER NOT NULL,
  CalorieIntake NUMBER(10, 2) NOT NULL,
  WeightLbs NUMBER(10, 2) NOT NULL,
  HeightInches NUMBER(10, 2) NOT NULL,
  PRIMARY KEY (RecordDate, MemberID)
);
```

# Adding Foreign Keys & Check Constraints

```
-- For the Members table
ALTER TABLE Members
ADD CONSTRAINT fkMembersMbrID FOREIGN KEY (TrainerMbrID) REFERENCES Members(MemberID);
ALTER TABLE Members
ADD CONSTRAINT chkMembersGender CHECK (Gender IN ('M', 'F'));
ALTER TABLE Members
ADD CONSTRAINT chkMembersMembershipType CHECK (MembershipType IN ('Standard', 'Premium'));

-- For the Payments table
ALTER TABLE Payments
ADD CONSTRAINT fkPaymentsMbrID FOREIGN KEY (MemberID) REFERENCES Members(MemberID);
ALTER TABLE payments
ADD CONSTRAINT chkPaymentsAmount CHECK (Amount IN (50, 100));
ALTER TABLE payments
ADD CONSTRAINT chkPaymentsPaymentMethod CHECK (PaymentMethod IN ('Cash', 'Debit Card', 'Credit Card'));

-- For the Attendances table
ALTER TABLE Attendances
ADD CONSTRAINT fkAttendancesMbrID FOREIGN KEY (MemberID) REFERENCES Members(MemberID);

-- For the EquipmentUsages table
ALTER TABLE EquipmentUsages
ADD CONSTRAINT fkEquipUsagesMembID FOREIGN KEY (MemberID) REFERENCES Members(MemberID);
ALTER TABLE EquipmentUsages
ADD CONSTRAINT fkEquipUsagesEquipID FOREIGN KEY (EquipmentID) REFERENCES Equipments(EquipmentID);

-- For the FitnessRecords table
ALTER TABLE FitnessRecords
ADD CONSTRAINT fkFitnessRecordsMbrID FOREIGN KEY (MemberID) REFERENCES Members(MemberID);
```

# Inserting Values from CSV

	A	B	C	D	E	F	G	H	I	J	K
1	MemberID	FirstName	LastName	Gender	Email	Phone	DateOfBirth	MembershipStart	MembershipEnd	MembershipType	TrainerMbrID
2	1	John	Doe	M	john.doe@example.com	1.23E+09	1990-05-15	2023-08-04	2024-05-09	Standard	
3	2	Jane	Smith	F	jane.smith@example.com	9.88E+09	1985-08-20	2024-03-29	2024-05-11	Standard	
4	3	Rahul	Kumar	M	rahul.kumar@example.com	5.55E+09	1995-11-10	2024-01-05	2024-05-02	Premium	1
5	4	Emily	Davis	F	emily.davis@example.com	4.45E+09	1988-04-25	2024-04-04	2024-05-03	Premium	2
6	5	Juan	Dela Cruz	M	juan.delacruz@example.com	6.67E+09	1992-09-30	2024-04-05	2024-05-05	Premium	1
7	6	Yuma	Lawerence	M	ylawerence0@milibeiان.gov.cn	1.59E+09	1998-08-17	2024-04-09	2024-05-08	Premium	1
8	10	Demetra	Commander	F	dcommander1@answers.com	2.38E+09	1999-02-14	2024-04-09	2024-05-08	Premium	1
9	12	Kelly	Panner	M	kpanner2@dell.com	9.16E+09	2004-09-30	2024-04-10	2024-05-09	Premium	1
10	13	Filmer	Cromly	M	fcromly3@symantec.com	2.17E+09	1995-08-24	2024-04-12	2024-05-11	Premium	2

	A	B	C	D	E
1	PaymentID	PaymentDate	Amount	PaymentMethod	MemberID
2	1	2023-08-04	100	Credit Card	1
3	3	2024-01-05	50	Debit Card	3
4	12	2024-04-03	100	Credit Card	2
5	13	2024-04-04	50	Cash	4
6	14	2024-04-05	50	Debit Card	5
7	15	2024-04-07	50	Credit Card	6
8	16	2024-04-09	100	Cash	10
9	17	2024-04-10	100	Cash	12
10	18	2024-04-10	50	Cash	1
11	21	2024-04-12	100	Credit Card	13
12	22	2024-04-12	50	Credit Card	2

	A	B	C
1	EquipmentID	EquipmentName	EquipmentType
2	1	Dumbbells	Strength
3	2	Barbell	Strength
4	3	Treadmill	Cardio
5	4	Exercise Bike	Cardio
6	5	Elliptical Machine	Cardio



# Inserting Values from CSV

	A	B	C	D	E
1	Attendance	AttendanceDate	CheckInTime	CheckOutTime	MemberID
2	19	2023-08-04	2023-08-04 7:30	2023-08-04 9:30	1
3	20	2023-08-05	2023-08-05 7:30	2023-08-05 9:30	1
4	21	2023-08-06	2023-08-06 7:30	2023-08-06 9:30	1
5	22	2023-08-07	2023-08-07 7:30	2023-08-07 9:30	1
6	23	2023-08-08	2023-08-08 7:30	2023-08-08 9:30	1
7	24	2023-08-09	2023-08-09 7:30	2023-08-09 9:30	1
8	25	2023-08-10	2023-08-10 7:30	2023-08-10 9:30	1
9	26	2023-08-11	2023-08-11 7:30	2023-08-11 9:30	1
10	27	2023-08-12	2023-08-12 7:30	2023-08-12 9:30	1
11	28	2023-08-13	2023-08-13 7:30	2023-08-13 9:30	1
12	29	2023-08-14	2023-08-14 7:30	2023-08-14 9:30	1
13	30	2023-08-15	2023-08-15 7:30	2023-08-15 9:30	1

	A	B	C	D	E
1	UsageDate	MemberID	Equipment	UsageStart	UsageEnd
2	2023-08-04	1	3	2023-08-04 7:45	2023-08-04 8:30
3	2023-08-05	1	3	2023-08-04 7:45	2023-08-04 8:30
4	2023-08-06	1	3	2023-08-04 7:45	2023-08-04 8:30
5	2023-08-07	1	3	2023-08-04 7:45	2023-08-04 8:30
6	2023-08-08	1	3	2023-08-04 7:45	2023-08-04 8:30
7	2023-08-09	1	3	2023-08-04 7:45	2023-08-04 8:30
8	2023-08-10	1	3	2023-08-04 7:45	2023-08-04 8:30
9	2023-08-11	1	3	2023-08-04 7:45	2023-08-04 8:30
10	2023-08-12	1	3	2023-08-04 7:45	2023-08-04 8:30
11	2023-08-13	1	3	2023-08-04 7:45	2023-08-04 8:30
12	2023-08-14	1	3	2023-08-04 7:45	2023-08-04 8:30
13	2023-08-15	1	3	2023-08-04 7:45	2023-08-04 8:30

	A	B	C	D	E
1	RecordDate	MemberID	CalorieIntake	WeightLbs	HeightInches
2	2023-08-04	1	2600	151	68
3	2023-08-05	1	2600	151	68
4	2023-08-06	1	2600	150.5	68
5	2023-08-07	1	2600	151	68
6	2023-08-08	1	2600	150.5	68
7	2023-08-09	1	2600	151	68
8	2023-08-10	1	2600	151	68
9	2023-08-11	1	2600	151.5	68
10	2023-08-12	1	2600	151	68
11	2023-08-13	1	2600	151.5	68



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# DATABASE PROGRAMMING

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# Definition of Views

```
-- View #1: vwMemberInitialWeight (Member View)
-- This view allows members to check their initial weight.
CREATE OR REPLACE VIEW vwMemberInitialWeight
AS
    SELECT  fr.MemberID,
            fr.RecordDate,
            fr.WeightLbs
    FROM    FitnessRecords fr
    INNER JOIN (
        SELECT MemberID, MIN(RecordDate) AS InitialRecordDate
        FROM    FitnessRecords
        GROUP BY MemberID) initialfr
    ON fr.MemberID = initialfr.MemberID AND fr.RecordDate = initialfr.InitialRecordDate;
/

-- View #2: vwMemberLatestWeight (Member View)
-- This view allows members to check their latest weight.
CREATE OR REPLACE VIEW vwMemberLatestWeight
AS
    SELECT  fr.MemberID,
            fr.RecordDate,
            fr.WeightLbs
    FROM    FitnessRecords fr
    INNER JOIN (
        SELECT MemberID, MAX(RecordDate) AS InitialRecordDate
        FROM    FitnessRecords
        GROUP BY MemberID) latestfr
    ON fr.MemberID = latestfr.MemberID AND fr.RecordDate = latestfr.InitialRecordDate;
/
```

# Definition of Views

```
-- View #3: vwMemberInitialVsLatest (Member View) - (View #1+2)
-- This view allows members to see both their initial and latest weights.
CREATE OR REPLACE VIEW vwMemberInitialVsLatest
AS
    SELECT i.MemberID,
           i.RecordDate AS InitialRecordDate,
           i.WeightLbs AS InitialWeightLbs,
           l.RecordDate AS LatestRecordDate,
           l.WeightLbs AS LatestWeightLbs
    FROM vwMemberInitialWeight i
    INNER JOIN vwMemberLatestWeight l
    ON i.MemberID = l.MemberID;
/

-- View #4: vwMemberLatestStatus (Member View)
-- This view allows members to review their membership status and track their latest progress.
CREATE OR REPLACE VIEW vwMemberLatestStatus
AS
    SELECT m.MemberID, m.FirstName, m.LastName, m.Gender, m.DateOfBirth,
           m.MembershipStart, m.MembershipEnd,
           vs.InitialRecordDate, vs.InitialWeightLbs,
           vs.LatestRecordDate, vs.LatestWeightLbs
    FROM Members m
    LEFT JOIN vwMemberInitialVsLatest vs
    ON m.MemberID = vs.MemberID;
/
```

# Definition of Views

```
-- View #5: vwTrainerNutritionTraining (Trainer View)
-- This view allows trainers to tailor workouts, monitor nutrition intake, and optimize training plans.
CREATE OR REPLACE VIEW vwTrainerNutritionTraining
AS
    SELECT m.MemberID, fr.RecordDate,
           m.FirstName, m.LastName, m.DateOfBirth, m.Gender,
           GetCalorieMaintenance(fr.RecordDate, m.MemberID) AS CalorieMaintenance,
           fr.CalorieIntake, fr.WeightLbs, fr.HeightInches,
           GetBMIValue(fr.HeightInches, fr.WeightLbs) AS BMIValue,
           GetBMIClass(GetBMIValue(fr.HeightInches, fr.WeightLbs)) AS BMIClass,
           e.EquipmentName, e.EquipmentType, u.UsageStart, u.UsageEnd
    FROM Members m
    JOIN FitnessRecords fr
      ON m.MemberID = fr.MemberID
    JOIN EquipmentUsages u
      ON m.MemberID = u.MemberID AND u.UsageDate = fr.RecordDate
    JOIN Equipments e
      ON u.EquipmentID = e.EquipmentID;
/

-- View #6: vwFinanceMembershipPayment (Finance View)
-- This view allows finance staff to monitor payment statuses, track membership durations.
CREATE OR REPLACE VIEW vwFinanceMembershipPayment
AS
    SELECT m.MemberID, m.FirstName, m.LastName,
           m.MembershipStart, m.MembershipEnd, m.MembershipType,
           p.PaymentID, p.PaymentDate, p.Amount, p.PaymentMethod
    FROM Members m
    LEFT JOIN Payments p
      ON m.MemberID = p.MemberID;
```

# Definition of Functions

```
-- Function to calculate the BMI Value
CREATE OR REPLACE FUNCTION GetBMIValue (
    p_HeightInches IN FitnessRecords.HeightInches%TYPE,
    p_WeightLbs IN FitnessRecords.WeightLbs%TYPE
) RETURN DECIMAL AS
    v_BMI DECIMAL(10, 2);
BEGIN
    -- Calculate BMI using the formula (Weight / Height^2) * 703
    v_BMI := (p_WeightLbs / POWER(p_HeightInches, 2)) * 703;

    -- Return the calculated BMI value
    RETURN v_BMI;
EXCEPTION
    WHEN OTHERS THEN
        -- Handle any potential errors
        RETURN NULL;
END GetBMIValue;
/
```

```
-- Function to determine the BMI classification
CREATE OR REPLACE FUNCTION GetBMIClass (
    p_BMI IN DECIMAL
) RETURN VARCHAR AS
    v_BMICategory VARCHAR(50);
BEGIN
    -- Initialize the category variable
    v_BMICategory := NULL;

    -- Determine BMI category
    IF p_BMI < 18.5 THEN
        v_BMICategory := 'Underweight';
    ELSIF p_BMI >= 18.5 AND p_BMI < 25 THEN
        v_BMICategory := 'Normal';
    ELSIF p_BMI >= 25 AND p_BMI < 30 THEN
        v_BMICategory := 'Overweight';
    ELSIF p_BMI >= 30 THEN
        v_BMICategory := 'Obese';
    END IF;

    -- Return the determined category
    RETURN v_BMICategory;
EXCEPTION
    WHEN OTHERS THEN
        -- Handle any potential errors
        RETURN NULL;
END GetBMIClass;
/
```



# Definition of Stored Procedures



```
-- This stored procedure is responsible for adding a new member to the database.
CREATE OR REPLACE PROCEDURE spAddMember (
    p_FirstName      Members.FirstName%TYPE,
    p_LastName       Members.LastName%TYPE,
    p_Gender         Members.Gender%TYPE,
    p_Email          Members.Email%TYPE DEFAULT NULL,
    p_Phone          Members.Phone%TYPE,
    p_DateOfBirth    Members.DateOfBirth%TYPE,
    p_TrainerMbrID   Members.TrainerMbrID%TYPE DEFAULT NULL
) IS
    v_tmpMemberID    Members.MemberID%TYPE;
BEGIN
    -- Check if mandatory fields are provided
    IF p_FirstName IS NULL OR p_LastName IS NULL OR p_Gender IS NULL
    OR p_Phone IS NULL OR p_DateOfBirth IS NULL THEN
        RAISE_APPLICATION_ERROR(-20001, 'Mandatory fields cannot be null.');
```

...

```
    END IF;

    -- Insert member into Members table
    INSERT INTO Members (
        FirstName, LastName, Gender, Email, Phone, DateOfBirth, TrainerMbrID
    ) VALUES (
        p_FirstName, p_LastName, p_Gender, p_Email, p_Phone, p_DateOfBirth, p_TrainerMbrID
    );

    -- Print success message
    SELECT MAX(MemberID) INTO v_tmpMemberID FROM Members;
    DBMS_OUTPUT.PUT_LINE('Member successfully added. Your Member ID is: ' || v_tmpMemberID);

EXCEPTION
    WHEN OTHERS THEN
        DBMS_OUTPUT.PUT_LINE('Error occurred: ' || SQLERRM);
END spAddMember;
/
```

...

# Definition of Stored Procedures

-- This stored procedure is responsible for member check-ins while checking active membership period.

```
CREATE OR REPLACE PROCEDURE spMemberCheckIn (
```

```
    p_MemberID IN Members.MemberID%TYPE
```

```
)
```

```
AS
```

```
    v_AttendanceDate Attendances.AttendanceDate%TYPE := SYSDATE;
```

```
    v_CheckInTime    Attendances.CheckInTime%TYPE := SYSTIMESTAMP;
```

```
    v_MembershipStart Members.MembershipStart%TYPE;
```

```
    v_MembershipEnd   Members.MembershipEnd%TYPE;
```

```
BEGIN
```

```
-- Check if MemberID is provided
```

```
IF p_MemberID IS NULL THEN
```

```
    RAISE_APPLICATION_ERROR(-20001, 'MemberID cannot be null.');
```

```
END IF;
```

```
-- Check if the member exists
```

```
BEGIN
```

```
    SELECT MembershipStart, MembershipEnd
```

```
    INTO v_MembershipStart, v_MembershipEnd
```

```
    FROM Members
```

```
    WHERE MemberID = p_MemberID;
```

```
EXCEPTION
```

```
    WHEN NO_DATA_FOUND THEN
```

```
        RAISE_APPLICATION_ERROR(-20002, 'Member ID does not exist.');
```

```
END;
```

```
-- Check if the attendance date falls within the member's active membership period
```

```
IF v_AttendanceDate < v_MembershipStart OR v_AttendanceDate > v_MembershipEnd THEN
```

```
    RAISE_APPLICATION_ERROR(-20003, 'Attendance date is not within the member's active membership period.');
```

```
END IF;
```

```
-- Insert attendance record into the Attendances table
```

```
INSERT INTO Attendances (AttendanceDate, CheckInTime, MemberID)
```

```
VALUES (v_AttendanceDate, v_CheckInTime, p_MemberID);
```

```
-- Success message
```

```
DBMS_OUTPUT.PUT_LINE('Member successfully checked in.');
```

```
EXCEPTION
```

```
    WHEN OTHERS THEN
```

```
-- Handle unexpected errors
```

```
    DBMS_OUTPUT.PUT_LINE('Error occurred: ' || SQLERRM);
```

```
END;
```

```
/
```



# Definition of Triggers

```
-- Trigger #1: tgDeleteAttendanceOutsideGymHours
-- This trigger ensures records outside of gym hours are deleted from the Attendances table.
CREATE OR REPLACE TRIGGER tgDeleteAttendanceOutsideGymHours
BEFORE INSERT ON Attendances
FOR EACH ROW
DECLARE
    v_GymOpenTime    CONSTANT Attendances.CheckInTime%TYPE :=
        TO_TIMESTAMP(TO_CHAR(SYSDATE, 'DD-MON-YYYY') || ' ' || '04:30:00', 'DD-MON-YYYY HH24:MI:SS');
    v_GymCloseTime    CONSTANT Attendances.CheckInTime%TYPE :=
        TO_TIMESTAMP(TO_CHAR(SYSDATE, 'DD-MON-YYYY') || ' ' || '23:30:00', 'DD-MON-YYYY HH24:MI:SS');
    v_GymLastCheckIn CONSTANT Attendances.CheckInTime%TYPE := v_GymCloseTime - INTERVAL '1' HOUR;
BEGIN
    -- Check if the CheckInTime falls outside gym hours
    IF :NEW.CheckInTime < v_GymOpenTime OR :NEW.CheckInTime > v_GymLastCheckIn THEN
        RAISE_APPLICATION_ERROR(-20113, 'TG1: Check-in is outside gym hours.');
```

END IF;

```
END;
/
```



# Definition of Triggers

```
-- Trigger #3: tgPreventIncorrectPayment
-- Ensures correct payment amounts based on trainer membership status.
CREATE OR REPLACE TRIGGER tgPreventIncorrectPayment
BEFORE INSERT ON Payments
FOR EACH ROW
DECLARE
    v_TrainerMbrID Members.TrainerMbrID%TYPE;
BEGIN
    -- Retrieve TrainerMbrID for the MemberID being inserted
    SELECT TrainerMbrID
    INTO v_TrainerMbrID
    FROM Members
    WHERE MemberID = :NEW.MemberID;

    -- Validate the Amount based on TrainerMbrID
    IF :NEW.Amount NOT IN (50, 100) THEN
        RAISE_APPLICATION_ERROR(-20002, 'TG3: Must be $50 or $100.');
```

...

```
    ELSIF v_TrainerMbrID IS NULL AND :NEW.Amount <> 50 THEN
        RAISE_APPLICATION_ERROR(-20003, 'TG3: Amount should be 50.');
```

...

```
    ELSIF v_TrainerMbrID IS NOT NULL AND :NEW.Amount <> 100 THEN
        RAISE_APPLICATION_ERROR(-20004, 'TG3: Amount should be 100.');
```

...

```
    END IF;

    -- If validations pass, the row is inserted automatically.
END;
/
```

...

**3**

# **APPLICATION DEVELOPMENT**

**XX**

# Input Forms

**Register Member**

First Name

Last Name

Gender

Email Address

Phone Number

Date of Birth

Trainer Member ID  
View your Trainer's Member ID from the Member Management.

Cancel

Submit

**Record Payment**

Amount

Payment Method

Member ID  
View your Member ID from the Member Management.

Cancel

Submit

# Classic Reports

## Member status

Q

Go

Actions

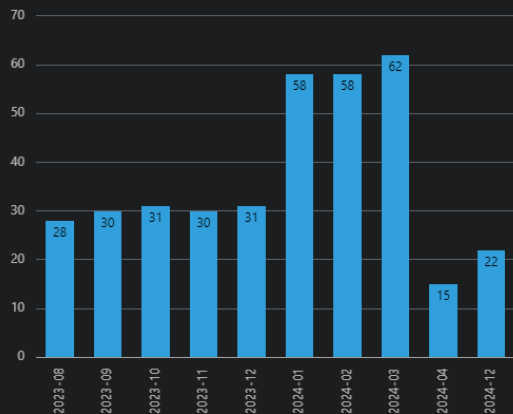
Memberid	Firstname	Lastname	Gender	Dateofbirth	Membershipstart	Membershipend	Initialrecorddate	Initialweightlbs	Latestrecorddate	Latestweightlbs	
1	John	Doe	M	5/15/1990	8/4/2023	9/3/2023	8/4/2023	151	4/6/2024	151.5	
2	Jane	Smith	F	8/20/1985	3/29/2024	5/11/2024	3/29/2024	170.5	4/6/2024	169.5	
3	Rahul	Kumar	M	11/10/1995	1/5/2024	5/2/2024	1/5/2024	150.3	4/6/2024	120.2	
4	Emily	Davis	F	4/25/1988	4/4/2024	5/3/2024	4/5/2024	150.3	4/6/2024	150.3	
5	Juan	Dela Cruz	PAYMENT (VIEW)						0.2	4/6/2024	120.2
6	Yuma	Lawerence									
7	Lance	Mirano									
10	Demetra	Commander	Payment ID	Payment Date	Payment Amount	Payment Method	Member ID				
12	Kelly	Panner	1	8/4/2023	50	Credit Card	1	0.5	4/10/2024	160.5	
13	Filmer	Cromly						50	4/12/2024	150	

Payment ID ↑	Payment Date	Payment Amount	Payment Method	Member ID
1	8/4/2023	50	Credit Card	1
2	12/3/2024	50	Cash	7
3	1/5/2024	50	Debit Card	3
12	4/3/2024	50	Credit Card	2
13	4/4/2024	50	Cash	4
14	4/5/2024	50	Debit Card	5
15	4/7/2024	50	Credit Card	6
16	4/9/2024	100	Cash	10
17	4/10/2024	100	Cash	12

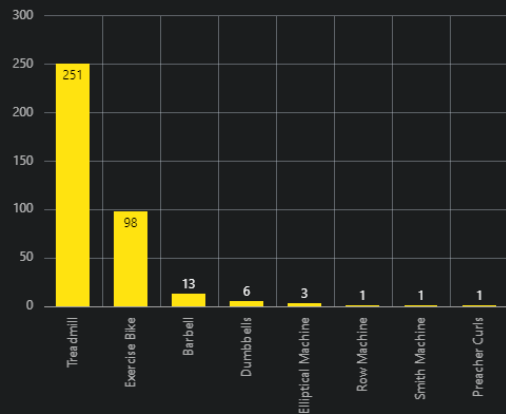
# Charts

## Dashboard

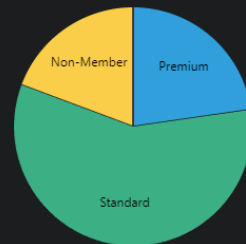
### Monthly Attendance



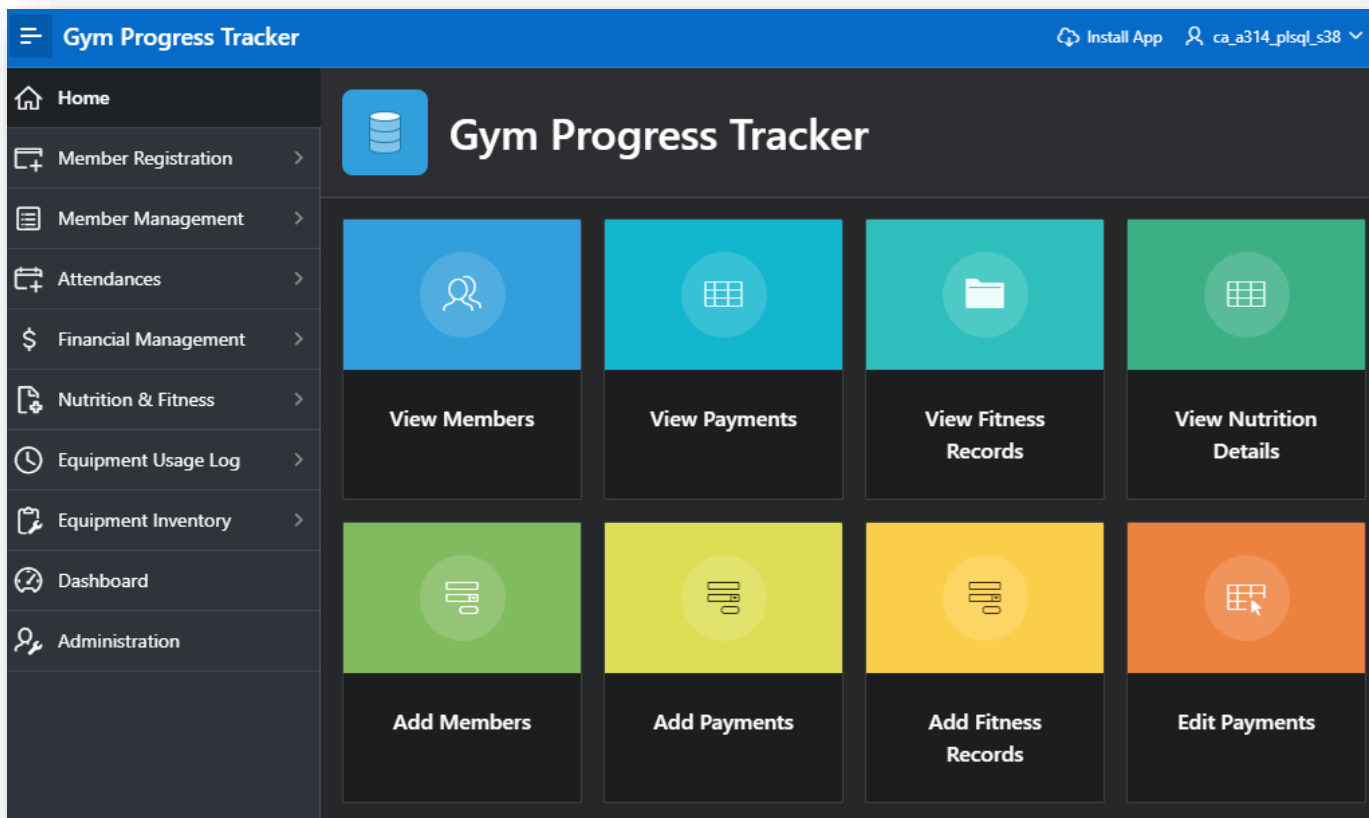
### Equipment Usages



### Membership Type



# Navigation Structure







# THANKS!

Does anyone have any questions?

