Class Diagram

Last updated by | Ishwari Rajmohan | Apr 5, 2025 at 6:20 PM GMT+5:30

User

+String userID
+String name
+String email
+String password
+Date dateOfBirth
+String gender
+Double height
+Double weight

+login()
+updateProfile()

logs   joins   participants   subscribes   receives   follows

tracks

Workout

+String workoutID
+String workoutName
+String type
+Int duration
+Int caloriesBurned

+logWorkout()
+getWorkoutDetails()

Challenge

+String challengeID
+String challengeName
+Int duration
+String reward

+startChallenge()
+trackChallengeProgress()

Subscription

+String subscriptionID
+String userID
+String planType
+Date startDate
+Date endDate

+activateSubscription()
+cancelSubscription()

Notification

+String notificationID
+String message
+Date timestamp

+sendNotification()

MealPlan

+String mealPlanID
+String mealType
+String foodItems
+Int calories

+generateMealPlan()
+getMealDetails()

contributes

contributes

Progress

+String progressID
+String userID
+Double weight
+Int caloriesConsumed
+Int caloriesBurned

+trackProgress()
+getProgressReport()