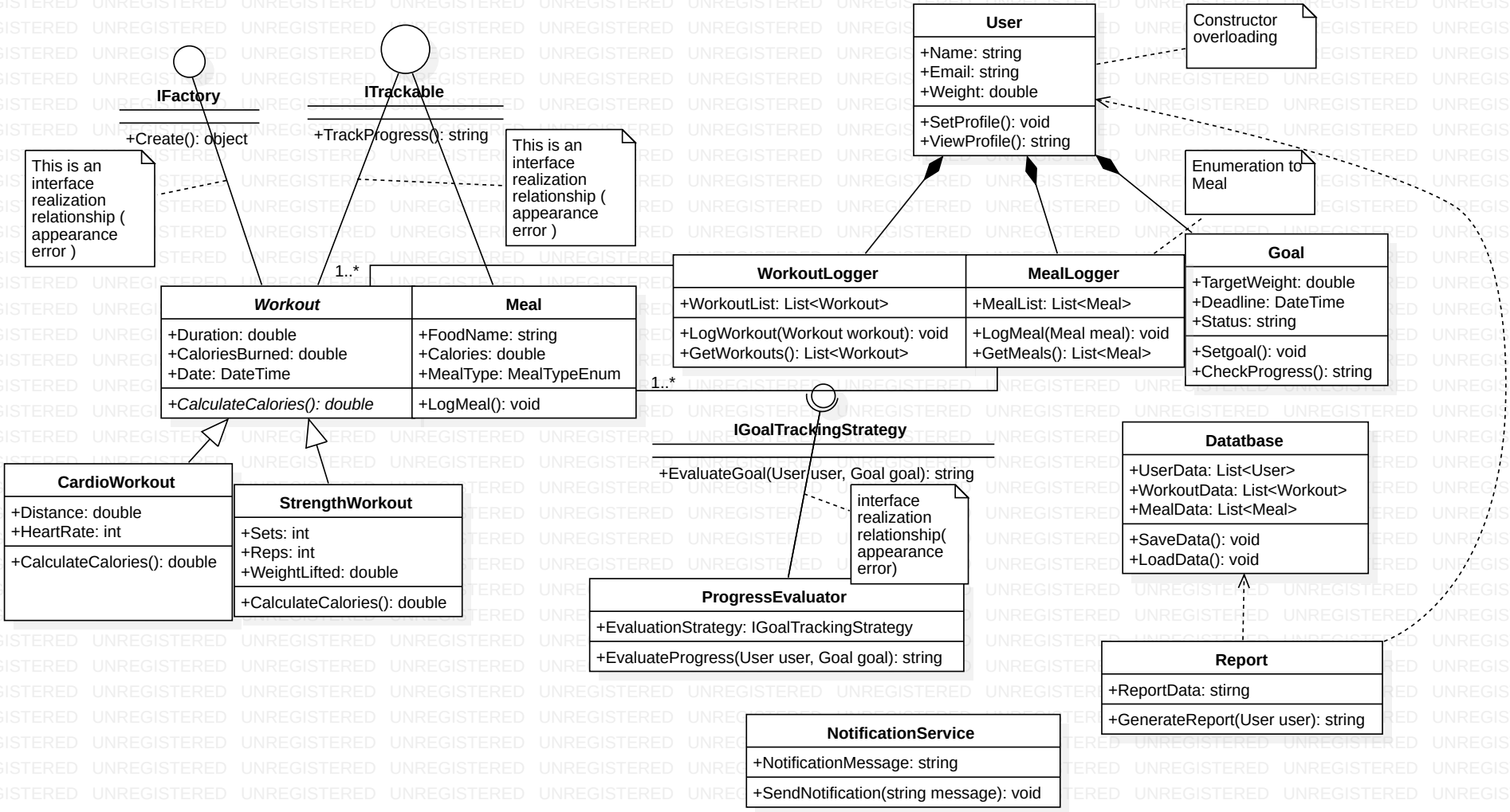
Model::Main


IFactory
+Create(): object
ITrackable
+TrackProgress(): string
This is an interface realization relationship (appearance error)
This is an interface realization relationship (appearance error)
User
+Name: string
+Email: string
+Weight: double
+SetProfile(): void
+ViewProfile(): string
Constructor overloading
Enumeration to Meal
1..*
Workout
+Duration: double
+CaloriesBurned: double
+Date: DateTime
+CalculateCalories(): double
Meal
+FoodName: string
+Calories: double
+MealType: MealTypeEnum
+LogMeal(): void
WorkoutLogger
+WorkoutList: List<Workout>
+LogWorkout(Workout workout): void
+GetWorkouts(): List<Workout>
MealLogger
+MealList: List<Meal>
+LogMeal(Meal meal): void
+GetMeals(): List<Meal>
Goal
+TargetWeight: double
+Deadline: DateTime
+Status: string
+Setgoal(): void
+CheckProgress(): string
1..*
IGoalTrackingStrategy
+EvaluateGoal(User user, Goal goal): string
interface realization relationship(appearance error)
CardioWorkout
+Distance: double
+HeartRate: int
+CalculateCalories(): double
StrengthWorkout
+Sets: int
+Reps: int
+WeightLifted: double
+CalculateCalories(): double
ProgressEvaluator
+EvaluationStrategy: IGoalTrackingStrategy
+EvaluateProgress(User user, Goal goal): string
Datatbase
+UserData: List<User>
+WorkoutData: List<Workout>
+MealData: List<Meal>
+SaveData(): void
+LoadData(): void
Report
+ReportData: stirng
+GenerateReport(User user): string
NotificationService
+NotificationMessage: string
+SendNotification(string message): void

Model::ClassDiagram1

UNREGISTERED

Model::ClassDiagram1::AWSDiagram1

UNREGISTERED