

Description of Attributes

11-28-20 Randomly Assigned 6

User Attributes:

- Account Number
 - Surrogate key to identify each account. Domain is all unsigned integers that will fit inside a mariadb int.
- Name
 - Username of a registered user. Domain is all sequences of 15 characters.
- Pass
 - password for the user. Domain is all sequences of 32 characters.

Weight Attributes:

- Pounds
 - Weight, in pounds, for a given user, date, and time. Domain is the set of unsigned 4-byte integers.

Workout Attributes:

- Intensity
 - A level representing how vigorously the user did the exercise. Valid inputs are Light, Normal, and Heavy.
- Length
 - How long the user did the workout for. Domain is the set of unsigned 4-byte integers.

Exercise Attributes:

- Name
 - The name of a workout is used to identify it. Domain is any name less than 16 characters.
- Type
 - The category of the exercise. Examples include cardio and bodyweight. Can be null.
- Calories burned/min
 - The number of calories burned per minute while performing the exercise. The domain is, practically speaking, the set of decimal numbers.

Eat Attributes:

- Amount Eaten
 - The amount, in terms of whatever unit the food/beverage is measured by, that was eaten. Domain is the set of unsigned 4-byte integers.

Edible Attributes:

- Name
 - the food/beverage name can be used to identify it. Domain is all sequences of 15 characters.
- Amount per serving
 - Serving size of an edible item. Domain is the set of unsigned 4-byte integers and null.
- Units
 - Name for what unit the database uses to store the serving size of the edible item. Conversions will be made outside of the database. Examples include lbs and kg.
- Calories per servings
 - Calories per serving of the edible item. Domain is the set of unsigned 4-byte integers and null.
- Grams of fat
 - Grams of fat in each serving of the edible item. Domain is the set of unsigned 4-byte integers and null.
- Grams of protein
 - Grams of protein in each serving of the edible item. Domain is the set of unsigned 4-byte integers and null.
- Grams of carbohydrates
 - Grams of carbohydrates in each serving of the edible item. Domain is the set of unsigned 4-byte integers and null.

Contains Attributes:

- Amount
 - The amount, in milligrams, of the chemical that is in a serving of the edible item. Domain is the set of unsigned floating point numbers.

Micronutrient/Chemicals Attributes:

- Name
 - The name of the chemical is used to identify it. Domain is all sequences of 15 characters.
- Recommended daily amount
 - The amount daily recommended for the chemical expressed in milligrams. Domain is all unsigned floating point numbers that will fit into a maridb float data type and null.

Date Attributes:

- Time
 - The time of day. Used to identify relationships. Domain is all valid times.