

Description of Attributes

Randomly Assigned 6

User Attributes:

- Account Id
 - Surrogate key to identify each account. Domain is all sequences of 26 characters.
- Name
 - Name 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 worked out. Valid inputs are Light, Normal, and Heavy.
- Length
 - How long the user did the workout for in minutes. Domain is the set of unsigned 4-byte integers.

Exercise Attributes:

- Name
 - The name of an exercise is used to identify it. Domain is any name less than 16 characters.
- Type
 - The category of the exercise. Examples include cardio and body weight. Can be null.
- Calories burned/hour
 - The number of calories burned per hour while performing the exercise. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less.

Eat Attributes:

- Amount Eaten
 - The amount of servings that were eaten. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less.

Tasty Attributes:

- Name
 - The food/beverage name can be used to identify it. Domain is all sequences of characters.
- Calories per servings
 - Calories per serving of the edible item. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less.
- Grams of fat
 - Grams of fat in each serving of the edible item. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less. Can be null.
- Grams of protein
 - Grams of protein in each serving of the edible item. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less. Can be null.
- Grams of carbohydrates
 - Grams of carbohydrates in each serving of the edible item. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less. Can be null.

Contains Attributes:

- Amount
 - The amount, in grams, of the chemical that is in a serving of the edible item. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less.

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 recommended daily amount for the chemical in grams. The domain is the set of rational numbers with up to 2 decimal places and with 10 digits or less. Can be null.

Date Attributes:

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