

**Address:** street address and optional second street address. City, state, and zipcode are also entered. This conceptual class is used by customer, manager, and trainer.

**Customer:** Entered by manager. A customer is signed up for a gym and signed to workouts by trainers. Customers have personal information that consists of name, lastName, phoneNumber, and email (see PersonalInformation). Also, managers have health insurance provider information (see Insurance), and address information (see Address). Customers can be assigned to a WorkoutRoutine by a trainer. Customers can be listed as active or inactive

**Equipment:** A machine in the gym's inventory, entered by manager. Each piece of equipment has a name, picture, quantity.

**Exercise:** An exercise is a number of sets and number of repetitions per set or duration for a given workout. Exercises are created by managers and can be used by WorkoutRoutines that are created by trainers.

**Gym System:** The overall system responsible for initial creation of manager and handling authentication/authorization requests.

**Insurance:** Information for insurance providers used by manager, trainer, and customer conceptual classes. Insurance consists of a name and an address (see Address).

**Manager:** A primary actor in the system. Managers can sign up trainers and customers, as well as add equipment into the inventory. Managers have personal information that consists of name, lastName, phoneNumber, and email (see PersonalInformation). Also, managers have health insurance provider information (see Insurance), and address information (see Address). For administrative purposes, managers have a username and password for logging in.

**Personal Information:** name, lastName, phoneNumber, and email attributes contained within this conceptual class. Used by Manager, trainer, and customer. Also has insurance information (see Insurance).

**Qualification:** Qualifications for a trainer being entered into the system. Qualifications have a name to describe the type of qualification.

**Trainer:** A primary actor in the system. Trainers create workout routines and assign customers to them. Trainers can also search for workout routines and customers. Trainers have personal information that consists of name, lastName, phoneNumber, and email (see

PersonalInformation). Also, managers have health insurance provider information (see insurance), and address information (see Address). Trainers also have work hours (availability). For administrative purposes, trainers have username and password for logging in.

**Workout Routine:** A routine that a trainer has created for customers. A routine has a name and a series of exercises. A routine may or may not use equipment in the inventory. Routines can be assigned to customers.

