Gym Model: Domain Model Document

Team: Singleton

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# **Domain Model**

# Glossary

# Person

There is only one use of generalization in this domain model. Since there are many attributes that are common to both a trainer and a customer, these were extracted into a general person concept.

# Trainer

A trainer is a specialization of a person that contains additional work hours and qualifications attributes.

# Customer

A customer is a specialization of a person that contains workout routines and the customer’s activity status (inactive or active).

# Machine

The Gym System can contain 1 to many different machines to be used by customers and trainers in various exercises.

# Exercises

Each exercise has a machine associated to it.

# Login Form

A workout routine

# Lookup Form

A workout routine

# Workout Routine

A workout routine is assigned to a customer and contains 1 to many different exercises.

# Session Manager

The Session Manager is responsible for logging trainers and managers in and out of the system. In general, this would be done by verifying credentials and usernames.

# Gym System

The Gym System is the central mechanism for searching, creating, updating and deletion the various entities in the system.