

Glossary

Version	Date	Description	Author
Inception Draft (Iteration 2)	9/30/17	Second draft. Current revision made after realizing a class diagram and not a domain model was previously implemented. To be continuously refined primarily during elaboration (Iteration 3, 4)	Ashton Creel

Term	Definition	Information
GGMS	Globo Gym Management System is the system in which a User (authenticated as a Manager/Trainer) can perform actions against.	- This system is to support the management of an indoors gym.
Manager	The Manager class in GGMS whose instances have the ability to create/modify Trainers, Customers, and Equipment. They are also able to add Equipment to the Inventory.	 There can be multiple instances of this class created and added to GGMS (by registering a username and password without a Trainer id association). In order to modify, a search for the Trainer, Customer, or Equipment to modify must be made.
Trainer	The Trainer class in GGMS whose instances have the ability to create/modify Exercises and Routines. They are also able to assign a Routine to a Customer.	 There can be multiple instances of this class created and added to GGMS. In order to modify, a search for the Exercise or Routine to modify must be made. In order to assign, a search for the Customer to assign the Routine to must be made.
Customer	The Customer class in GGMS whose instances have a list of Routines that are assigned to it by a Trainer.	There can be multiple instances of this class created and added to GGMS. Has no credential access to GGMS.
Exercise	The Exercise class in GGMS with no methods.	- There can be multiple instances of this class created and added to instances of a Routine.

Routine	The Routine class in GGMS with no methods.	- There can be multiple instances of this class created and assigned to Customers instances in GGMS by a Trainer instance.
Equipment	The Equipment class in GGMS with no methods.	- There can be multiple instances of this class created and added to the instance of Inventory in GGMS.
Inventory	The Inventory class in GGMS that contains the collection of Equipment.	- There will be only one instance of this class created to contain Equipment for GGMS.
username	An attribute that is a credential to access GGMS.	- Must be type String.- Must be unique.- Must be at least 7 characters.
password	An attribute that is a credential to access GGMS.	 Must be at least 7 characters. Must include at least 1 special character and 1 number.
name	The first name of a Trainer/Customer in GGMS.	Must be type String.Must be unique.
lastName	The last name of a Trainer/Customer in GGMS.	- Must be type String.
address	The street address of a Trainer/Customer in GGMS.	 - Must be type HashMap<string,< li=""> String> - Should be stored with the following keys: street, city, state, zip_code - Validate accuracy of address data against Google Maps API </string,<>
phoneNumber	The primary phone number for a Trainer/Customer in GGMS.	- Must be type Integer.- Must be at least 10 digits.
email	The primary email address for a Trainer/Customer in GGMS.	- Must be type String Must pass validation in JavaMail API (Checks for '@' symbol and '.com', '.edu', '.org', etc.)
id	The primary identifier for a Trainer/Customer in GGMS.	- Must be type String Must start with 'T'/'C', respectively, and end in a numerical value (e.g. 'T0', 'C0', 'T1', 'C1', 'T25', 'C25').
insurance	The primary health insurance provider for a Trainer/Customer in GGMS.	- Must be type String.

workHours	The Sunday – Saturday work schedule for a Trainer in GGMS.	- Must be type HashMap <string, <localtime="" arraylist="">> - Must contain a value for each key Should be stored with the following String keys: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - Should be stored in the following format for the values: [startTime+'AM/PM', endTime+'AM/PM'] - startTime, endTime must be of type java.time.LocalTime - This type stores time without a time-zone in the ISO-8601 calendar system (e.g., 10:15:30) - Example format - {Sunday=[10:30:00 AM, 2:30:00 PM], Monday=[],, Saturday=[]})</string,>
qualifications	The list of accomplishments that a Trainer in GGMS has.	- Must be type ArrayList <string></string>
membershipStatus	The current status of a Customer membership in GGMS.	- Must be type Enum.- Must have Enum values of ACTIVE and INACTIVE.
assignedRoutines	The current routines assigned to a Customer in GGMS.	- Must be type ArrayList <routine></routine>
duration	The time period to perform an Exercise in GGMS.	 - Must be type Duration. - This attribute is available when Exercise does not have a value for numberOfSets and repetitionsPerSet.
numberOfSets	The number of sets performed in an Exercise in GGMS.	- Must be type Integer - This attribute is available when Exercise does not have a value for duration This attribute must be non-null if repetitionsPerSet is non-null.

repetitionsPerSet	The number of repetitions performed of an Exercise per set.	- Must be type Integer - This attribute is available when Exercise does not have a value for duration This attribute must be non-null if numberOfSets is non-null.
equipment	The collection of Equipment entities included in the Inventory.	- Must be type ArrayList <equipment></equipment>
picture	The picture for an Equipment in GGMS.	Must be type ImageNo standard size will be required
quantity	The quantity for Equipment in GGMS which is determined manually by the Manager.	- Must be type Integer

References:

1. https://stackoverflow.com/questions/624581/what-is-the-best-java-email-address-validation-method