Gym Management System

Hire Trainer

Register Customer

Enter Equiment into inventory

Modify Trainer

Modify Customer

Modify Equiment

Create Workout Routine

Modify Workout Routine

Search Workout Routine

Search Customer and Search Routine

Manager

Trainer

ID	GSU-001
Name	Hire Trainer
Overview	When a new trainer is hired, personal and work information is entered into the system
Primary Actor	Manager
Type	primary

Preconditions	Manager is logged in to the system and authenticated
Success Scenario (Main Flow)	1. Manager enters name, last name, address, phone, email, ID, health insurance provider, hours and qualifications of new trainer 2. Manager records personal and work information entered 3. System informs manager of successful entry

Extensions	a. At any time, the process is cancelled by the manager
	    1. System exits and discards changes
	b. At any time, system fails
	    1. System displays error
	    2. Manager restarts entering information

Post Conditions	Information is successfully stored in the system. Personal information includes name, last name, address, phone, email, ID, and health insurance provider. Work information includes work hours and qualifications.
Extras	Open Issues: For personal information protection, should system log out after a certain period of inactivity?
	Cross Reference:

ID	GSU-002
Name	Register Customer
Overview	When a new customer is registered, personal information is stored in the system
Primary Actor	Manager
Type	primary
Preconditions	Manager is logged in to the system and authenticated
Success Scenario (Main Flow)	1. Manager enters name, last name, address, phone, email, ID and health insurance provider of new customer 2. System records personal information entered 3. System informs manager of successful entry

Extensions	a. At any time, the process is cancelled by the manager
	    1. System exits and discards changes
	b. At any time, system fails
	    1. System displays error
	    2. Manager reenters information

Post Conditions	Information is successfully stored in the system. Personal information includes name, last name, phone address, email, ID and health insurance provider. The membership of the customer is either active or inactive.
Extras	Open Issues:
	Cross Reference: See open issues from GSU-001

ID	GSU-003
Name	Enter equipment into inventory
Overview	All the equipment of the gym needs to be entered into the inventory
Primary Actor	Manager
Type	primary
Preconditions	Manager is logged into system and authenticated
Success Scenario (Main Flow)	1. Manager enters name, picture and quantity for machine 2. System records information name, picture, quantity 3. System informs manager of successful entry

Extensions	a. At any time, the process is cancelled by the manager
	    1. System exits and discards changes
	b. At any time, system fails
	    1. System displays error
	    2. Manager reenters information

Post Conditions	Information is successfully stored in the system. For each machine, system records name, a picture, and quantity.
Extras	Open Issues:
	Cross Reference:

ID	GSU-004
Name	Modify trainers
Overview	A manager con modify trainer information
Primary Actor	Manager

Type	primary
Preconditions	Manager is logged into system and authenticated. Trainer information is entered into system
Success Scenario (Main Flow)	1. Manager searches for trainer by name 2. Manager finds entry of trainer 3. Manager enters modification state 4. Manager updates record for trainer 5. System records personal and work information entered 6. System informs manager of successful update to entry

Extensions	a. At any time, process is cancelled by manager
	    1. System exits and discards changes
	b. At any time, system fails
	    1. System displays error
	    2. Manager restarts entering information

Post Conditions	Information is updated as needed and stored in the system. Personal information includes name, last name, address, phone, email, ID, and health insurance provider. Work information includes work hours and qualifications.
Extras	Open Issues:
	Cross Reference:

ID	GSU-005
Name	Modify Customers
Overview	A manager can modify customer information
Primary Actor	Manager
Type	primary
Preconditions	Manager is logged in to the system and authenticated. Customer is in the system.
Success Scenario (Main Flow)	1. Manager searchers for customer by name or ID 2. Manager finds entry of Customer 3. Manager enters modification state 4. System records personal information entered 5. System informs manager of successful update to entry
Extensions	a. At any time, process is cancelled by Manager

	1. System exits and discards changes
	b. At any time, system fails
	    1. System displays error
	    2. Manager reenters information

Post Conditions	Information is updated as needed and successfully stored in the system. Personal information includes name, last name, phone address, email, ID and health insurance provider. The membership of the customer is either active or inactive.
Extras	Open Issues:
	Cross Reference:

ID	GSU-006
Name	Modify equipment
Overview	A manager can modify equipment information
Primary Actor	Manager
Type	primary
Preconditions	Manager is logged into the system and authenticated. Equipment record exists in system
Success Scenario (Main Flow)	1. Manager searches for equipment by name or ID 2. Manager finds entry of Equipment 3. Manager enters modifications state 4. System records information entered 5. System informs manager of successful update to equipment

Extensions	a. At any time, the process is cancelled by the manager
	    1. System discards information and exits
	b. At any time, system fails
	    1. System displays error
	    2. Manager reenters information

Post Conditions	Equipment information is updated as needed and successfully stored in the system. For each machine the system must register name, a picture and quantity.
Extras	Open Issues:
	Cross Reference: See GSU-004 open issues

ID	GSU-007
Name	Create workout routine
Overview	A trainer can create a workout routine (set of exercises)
Primary Actor	Trainer
Type	primary
Preconditions	Trainer is logged into the system and authenticated. Equipment to be used is in the system
Success Scenario (Main Flow)	1. Trainer enters name, set of exercises, and potentially required equipment of new workout 2. System records workout information entered 3. System informs trainer of successful entry

Extensions	a. At any time, process is cancelled by trainer
	    1. System discards changes and exits
	b. At any time, system fails
	    1. System displays error
	    2. Trainer reenters information

Post Conditions	Information is successfully stored in the system. Each routine consists of a name and a set of exercises. An exercise has a unique name and might require the use of a machine in the equipment inventory. An exercise can have a duration (in time) or a number of sets and repetitions per set.
Extras	Open Issues:
	Cross Reference: GSU-003

ID	GSU-008
Name	Modify workout routine
Overview	A trainer can modify a workout routine
Primary Actor	Trainer
Type	primary
Preconditions	Trainer is logged into system and authenticated. Workout routine is in

	the system. Equipment is in the system.
Success Scenario (Main Flow)	1. Trainer searches for workout routine by name or ID 2. Trainer finds entry of workout routine 3. Trainer enters modification state 4. Trainer updates information of existing workout 5. System records information entered 6. System informs trainer of successful update to workout

Extensions	a. At any time, process is cancelled by the trainer
	    1. System discards changes and exits
	b. At any time, system fails
	    1. System displays error
	    2. Trainer reenters information

Post Conditions	Information is updated as needed and stored in the system. Each routine consists of a name and a set of exercises. An exercise has a unique name and might require the use of a machine in the equipment inventory. An exercise can have a duration (in time) or a number of sets and repetitions per set.
Extras	Open Issues:
	Cross Reference: GSU-003

ID	GSU-009
Name	Assign workout routine
Overview	A trainer can assign one or more workout routines to a Customer
Primary Actor	Trainer
Type	primary
Preconditions	Trainer is logged in and authenticated. Workout is in the system. Customer is in the system.
Success Scenario (Main Flow)	1. Trainer finds record of customer 2. Trainer finds record of workout routine 3. Trainer creates assignments between customer and workout routine 4. System records assignment 5. System informs trainer of successful assignment of routine
Extensions	a. At any time, process is cancelled by trainer 1. System discards information and exits

	b. At any time, system fails
	    1. System displays error
	    2. Trainer reenters information

Post Conditions	Information is successfully stored in the system. Customer is now associated with workout(s)
Extras	Open Issues:
	Cross Reference:

ID	GSU-010
Name	Search Customer and Search Routine
Overview	A trainer can search customers to see assigned workouts and search workouts to see customers that can be assigned.
Primary Actor	Trainer
Type	primary
Preconditions	Trainer is logged into the system and authenticated. Workout is in the system. Customer is in the system.
Success Scenario (Main Flow)	1. Trainer searches for workout routine 2. Trainer finds workout routine and checks list of Customers that can be assigned 3. Information is displayed to the trainer

Extensions	a. At any time process is cancelled by the trainer
	    1. System exits
	b. At any time, system fails
	    1. System displays error
	    2. Trainer begins search again
	c. Trainer searches for customer
	    1. Trainer finds customer and checks assigned workout routines

Post Conditions	Information is successfully retrieved and displayed to Trainer
Extras	Open Issues: What about no results scenario?
	Cross Reference:

ID	GSU-011

Name	Login as Manager or Trainer
Overview	An employee of the gym logs in to the system and is authenticated with role Trainer or Manager
Primary Actor	Trainer or Manager
Type	primary
Preconditions	User is not logged into the system
Success Scenario (Main Flow)	1. User logs into system by entering username and password at prompt 2. System logs user in and shows dashboard with appropriate permissions

Extensions	a. At any time System fails
	    1. System exits
	b. At login, system rejects with invalid credentials
	    1. Login fails
	    2. User is prompted to try again

Post Conditions	User is authenticated and logged into the system
Extras	Open Issues:
	Cross Reference: