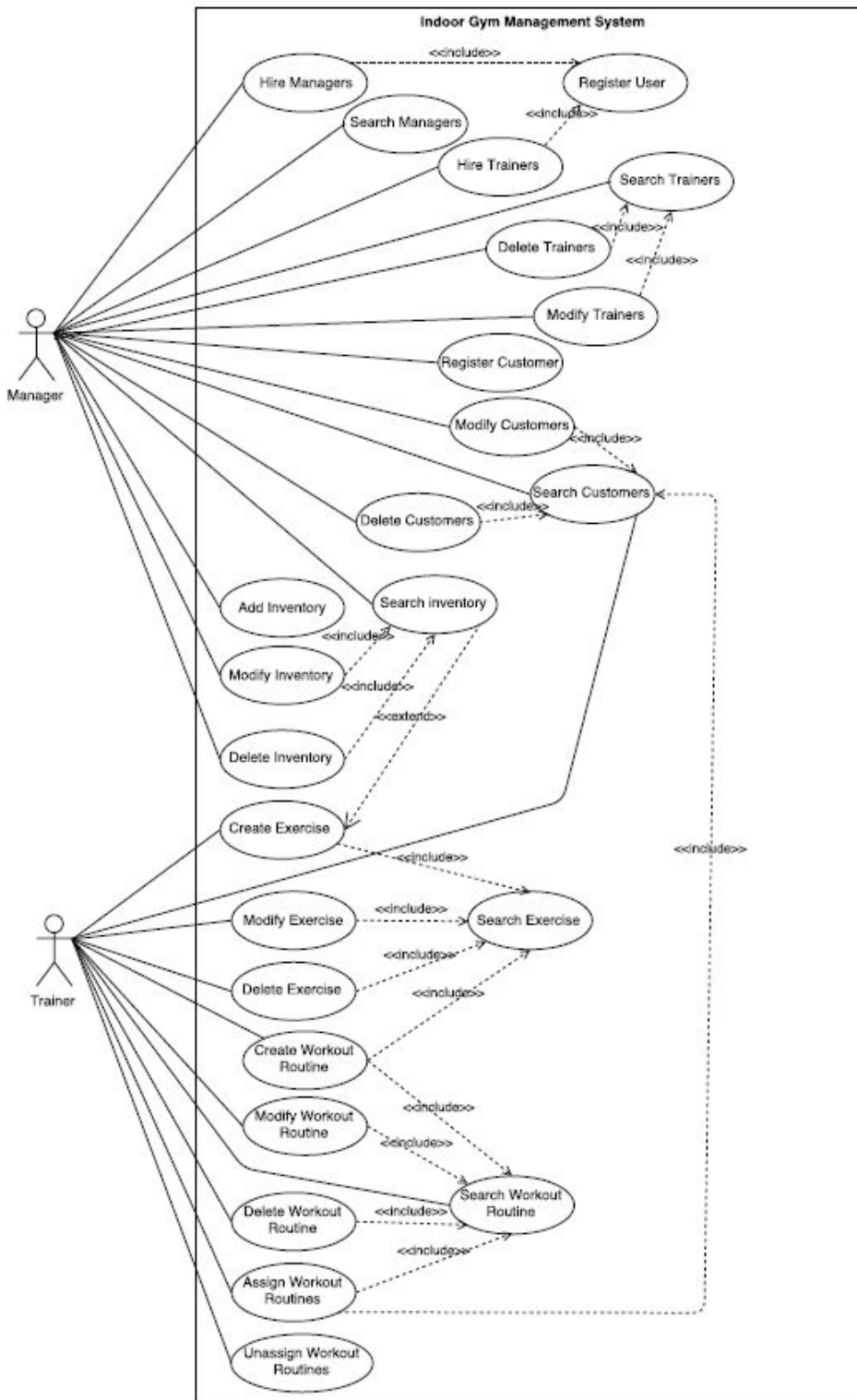


## **Use Case Document**

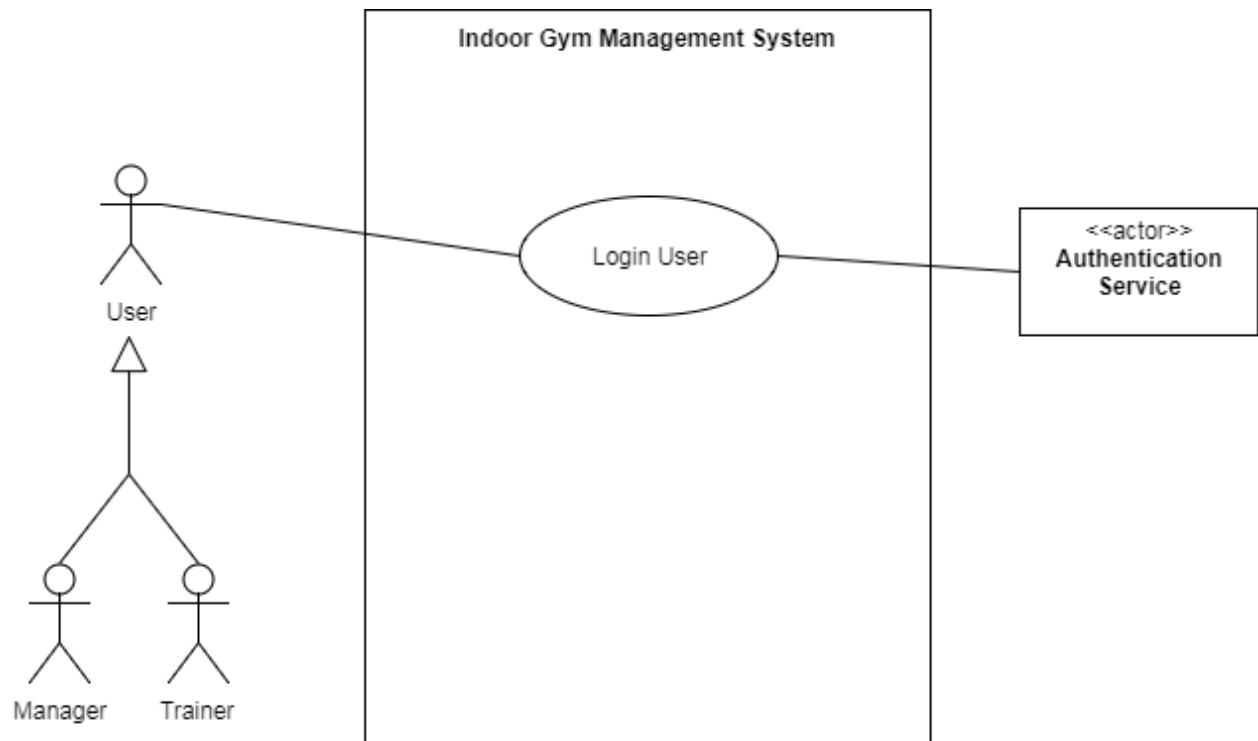
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# Use Case Diagram - Gym Management System 1



## Use Case Diagram - Gym Management System 2



# UC1: Hire Trainers

<b>Use Case Name</b>	UC1: Hire Trainers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants employees for the gym Trainer: Wants employment at the gym
<b>Preconditions</b>	Manager logged into gym system.
<b>Success Guarantee</b>	Trainer is employed at the gym.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include (UC20: Register User)</li><li>2. A manager enters the personal information (first name, last name, phone number email, and health insurance) for a trainer.</li><li>3. A manager submits the trainer information into the gym system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Trainer Information.<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer information was not registered.</li></ol></li><li>2. Invalid Trainer Information.<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer information was not registered.</li></ol></li><li>3. Redundant Trainer<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer omer information was not registered.</li></ol></li></ol>

## UC2: Register Customer

<b>Use Case Name</b>	UC2: Register Customer
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants customers for the gym. Trainers: Wants customers for the gym.
<b>Preconditions</b>	Manager logged into gym system.
<b>Success Guarantee</b>	Customer is added to gym system.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager enters the personal information (first name, last name, phone number email, and health insurance) for a customer.</li><li>2. A manager sets the status (active or inactive) of the customer's membership for the gym.</li><li>3. A manager submits the customer information into the gym system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Customer Information.<ol style="list-style-type: none"><li>a. Customer information is not registered with the system.</li><li>b. An error is returned explaining why customer information was not registered.</li></ol></li><li>2. Invalid Customer Information.<ol style="list-style-type: none"><li>a. Customer information is not registered with the system.</li><li>b. An error is returned explaining why customer information was not registered.</li></ol></li><li>3. Redundant Customer<ol style="list-style-type: none"><li>a. Customer information is not registered with the system.</li><li>b. An error is returned explaining why customer information was not registered.</li></ol></li></ol>

## UC3: Add Inventory

<b>Use Case Name</b>	UC3: Add Inventory
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants equipment inventory for the gym. Trainers: Wants equipment inventory for the gym.
<b>Preconditions</b>	Manager logged into gym system.
<b>Success Guarantee</b>	Equipment is added to inventory.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager enters the equipment (machine) information (name, picture, quantity).</li><li>2. A manager submits the equipment information into the gym system.</li><li>3. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Equipment Information.<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li><li>2. Invalid Equipment Information.<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li><li>3. Redundant Equipment<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li></ol>

## UC4: Modify Trainers

<b>Use Case Name</b>	UC4: Modify Trainers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants correct trainer information. Trainers: Want correct trainer information.
<b>Preconditions</b>	Manager logged into gym system. Trainer must exist in gym system.
<b>Success Guarantee</b>	Trainer information is updated.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include(UC5: Search Trainers)</li><li>2. A manager updates the information for trainer(s).</li><li>3. A manager submits the updated trainer(s) information to the system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Trainer Information.<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer information was not registered.</li></ol></li><li>2. Invalid Trainer Information.<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer information was not registered.</li></ol></li><li>3. Redundant Trainer<ol style="list-style-type: none"><li>a. Trainer information is not registered with the system.</li><li>b. An error is returned explaining why trainer information was not registered.</li></ol></li></ol>



## UC5: Search Trainers

<b>Use Case Name</b>	UC5: Search Trainers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to get trainer information.
<b>Preconditions</b>	Manager logged into gym system.
<b>Success Guarantee</b>	Trainer(s) information is returned.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager issues a query for trainer(s) information. The following are some of the queries:<ol style="list-style-type: none"><li>a. Trainer(s) working based on a range of days.</li><li>b. Trainer with a specific username (usernames are unique).</li><li>c. Trainer(s) with a specific personal information.</li><li>d. Trainer with a specific id (ids are unique).</li></ol></li><li>2. The system returns a list of trainers based on the given query information.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Trainer(s) do not exist.<ol style="list-style-type: none"><li>a. The system returns an empty list.</li></ol></li></ol>

## UC6: Modify Customers

<b>Use Case Name</b>	UC6: Modify Customers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants correct customer information. Trainers: Want correct customer information.
<b>Preconditions</b>	Manager logged into gym system. Customer must exist in gym system.
<b>Success Guarantee</b>	Customer information is updated..
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include(UC7: Search Customers)</li><li>2. A manager updates the information for customer(s).</li><li>3. A manager submits the updated customer(s) information to the system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Customer Information.<ol style="list-style-type: none"><li>a. Customer information is not registered with the system.</li><li>b. An error is returned explaining why customer information was not registered.</li></ol></li><li>2. Invalid Customer Information.<ol style="list-style-type: none"><li>a. Customer information is not registered with the system.</li><li>b. An error is returned explaining why customer information was not registered.</li></ol></li></ol>

## UC7: Search Customers

<b>Use Case Name</b>	UC7: Search Customers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager, Trainer
<b>Stakeholders and Interests</b>	Manager: Wants to get customer information. Trainers: Want to get customer information.
<b>Preconditions</b>	User logged into gym system.
<b>Success Guarantee</b>	Customer information is returned.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager issues a query for customer(s) information. The following are some of the queries:<ol style="list-style-type: none"><li>a. Customer(s) based on membership status.</li><li>b. Customer(s) with a specific personal information.</li><li>c. Customer with a specific id (ids are unique).</li></ol></li><li>2. The system returns a list of customers based on the given query information.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Customer(s) do not exist.<ol style="list-style-type: none"><li>a. The system returns an empty list.</li></ol></li></ol>

## UC8: Modify Inventory

<b>Use Case Name</b>	UC8: Modify Inventory
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants correct inventory (equipment) information.
<b>Preconditions</b>	Manager logged into gym system. Inventory must exist in gym system.
<b>Success Guarantee</b>	Inventory is updated
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include(UC7: Search Inventory)</li><li>2. A manager updates the information for equipment(s).</li><li>3. A manager submits the updated equipment(s) information to the system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>3. Missing Equipment Information.<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li><li>4. Invalid Equipment Information.<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li><li>5. Redundant Equipment<ol style="list-style-type: none"><li>a. Equipment information is not registered with the system.</li><li>b. An error is returned explaining why equipment information was not registered.</li></ol></li></ol>

## UC9: Search Inventory

<b>Use Case Name</b>	UC9: Search Inventory
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to get inventory information. Trainers: Want to get inventory information.
<b>Preconditions</b>	Manager logged into gym system.
<b>Success Guarantee</b>	Inventory information is returned.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager issues a query for inventory information. The following are some of the queries:<ol style="list-style-type: none"><li>a. Equipment with a specific name.</li><li>b. Equipment with a specific id (ids are unique).</li></ol></li><li>2. The system returns a list of equipment based on the given query information..</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Equipment does not exist.<ol style="list-style-type: none"><li>a. The system returns an empty list..</li></ol></li></ol>

## UC10: Create Exercise

<b>Use Case Name</b>	UC10: Create Exercise
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to enter a new exercise into the system
<b>Preconditions</b>	User logged into gym system.
<b>Success Guarantee</b>	New exercise is created
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include: UC11 Search exercise</li><li>2. If exercise is not found trainer starts an entry for a new exercise.</li><li>3. If exercise needs equipment: Extension point: UC9 Search Inventory<ol style="list-style-type: none"><li>a. Equipment details are displayed</li><li>b. Trainer assigns equipment to exercise</li></ol></li><li>4. Trainer enters exercise name, duration or number of sets and repetitions per set.</li><li>5. Trainer saves new exercise.</li><li>6. A success message is displayed to the trainer</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing exercise information<ol style="list-style-type: none"><li>a. Trainer is not able to create exercise because he does not enter either:<ol style="list-style-type: none"><li>i. Name</li><li>ii. Duration or number or sets</li></ol></li><li>b. An error message is displayed explaining why the exercise was not created.</li></ol></li><li>2. Duplicate exercise name<ol style="list-style-type: none"><li>a. Trainer is not able to create exercise because the exercise name already exists in the system.</li><li>b. An error message is displayed explaining why the exercise was not created.</li></ol></li></ol>

## UC11: Search Exercise

<b>Use Case Name</b>	UC11: Search Exercise
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to search for an exercise in the system
<b>Preconditions</b>	User logged into gym system
<b>Success Guarantee</b>	The exercise is found
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Trainer starts a search for an exercise</li><li>2. Following are some of the search parameters:<ol style="list-style-type: none"><li>a. Exercise name</li><li>b. Machine name</li></ol></li><li>3. Exercise is found</li><li>4. Exercise details are displayed</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Exercise is not found.</li><li>2. System returns an empty list.</li></ol>

## UC12: Modify Exercise

<b>Use Case Name</b>	UC12: Modify Exercise
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to modify an exercise
<b>Preconditions</b>	<ol style="list-style-type: none"><li>1. User logged into gym system.</li><li>2. Exercise exists in the system</li></ol>
<b>Success Guarantee</b>	Exercise is modified
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include: UC11 Search Exercise</li><li>2. Exercise is found</li><li>3. Trainer modifies the exercise</li><li>4. Trainer saves modifications.</li><li>5. A success message is displayed to the trainer.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing exercise information<ol style="list-style-type: none"><li>a. Trainer is not able to create exercise because he does not enter either:<ol style="list-style-type: none"><li>i. Name</li><li>ii. Duration or number or sets</li></ol></li><li>b. An error message is displayed explaining why the exercise was not modified.</li></ol></li><li>2. Duplicate exercise name<ol style="list-style-type: none"><li>a. Trainer is not able to create exercise because the exercise name already exists in the system.</li><li>b. An error message is displayed explaining why the exercise was not created.</li></ol></li></ol>



## UC13: Create Workout Routine

<b>Use Case Name</b>	UC13: Create Workout Routine
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to create workout routine
<b>Preconditions</b>	<ol style="list-style-type: none"><li>1. User logged into gym system.</li><li>2. At least one exercise exists in the system</li></ol>
<b>Success Guarantee</b>	Workout routine is created
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include UC14: Search Workout Routine</li><li>2. If routine is not found trainer starts an entry for a new workout routine</li><li>3. Include: UC11 Search Exercise</li><li>4. Exercise details are displayed</li><li>5. Trainer assigns exercise to workout routine</li><li>6. Trainer repeats steps 3-5 till he adds all the exercises to the routine</li><li>7. Trainer saves workout routine</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing workout routine information<ol style="list-style-type: none"><li>a. Trainer is not able to create workout routine because<ol style="list-style-type: none"><li>i. He does not add any exercise to the routine</li><li>ii. He does not enter the name</li></ol></li><li>c. An error message is displayed explaining why the exercise was not created.</li></ol></li></ol>

## UC14: Search Workout Routine

<b>Use Case Name</b>	UC14: Search Workout Routine
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to search workout routines
<b>Preconditions</b>	User logged into gym system
<b>Success Guarantee</b>	Workout routine is found
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Trainer starts a search for workout routine</li><li>2. Trainer uses the following search parameters to search the workout routine<ol style="list-style-type: none"><li>a. Name</li><li>b. exercise</li></ol></li><li>3. Workout routine is found</li><li>4. Workout routine details are displayed</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Workout routine is not found.</li><li>2. System returns empty list.</li></ol>

## UC15: Modify Workout Routines

<b>Use Case Name</b>	UC15: Modify Workout Routines
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to modify workout routines
<b>Preconditions</b>	<ol style="list-style-type: none"><li>1. User logged into gym system.</li><li>2. Workout routine exists in the system</li></ol>
<b>Success Guarantee</b>	Workout is modified successfully
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include: UC14 Search Workout Routine</li><li>2. Workout routine results are displayed</li><li>3. Trainer modifies workout routine</li><li>4. Trainer saves the modifications.</li><li>5. A success message is displayed to the trainer.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing workout routine information<ol style="list-style-type: none"><li>a. Missing workout routine information<ol style="list-style-type: none"><li>i. Trainer is not able to create workout routine because<ol style="list-style-type: none"><li>1. He does not add any exercise to the routine</li><li>2. He does not enter the name</li></ol></li></ol></li><li>d. An error message is displayed explaining why the exercise was not modified.</li></ol></li></ol>

## UC16: Assign Workout Routines

<b>Use Case Name</b>	UC16: Assign Workout Routines
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to assign workout routine(s) to a customer
<b>Preconditions</b>	<ol style="list-style-type: none"><li>1. User logged into gym system.</li><li>2. At least one workout routine exists in the system</li><li>3. At least one customer exists in the system</li></ol>
<b>Success Guarantee</b>	Workout is assigned successfully
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include UC7: Search Customers</li><li>2. Customer details are displayed</li><li>3. Include UC 14: Search Workout Routine</li><li>4. Workout routine details are displayed</li><li>5. Trainer assigns workout routine to customer.</li><li>6. Trainer repeats steps 4-5 till all the desired workout routines are assigned to the customer.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Workout routine is not assigned successfully<ol style="list-style-type: none"><li>a. An error message is returned explaining why the workout routine was not assigned.</li></ol></li></ol>

## UC17: Login User

<b>Use Case Name</b>	UC17: Login User
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Users
<b>Supporting actor</b>	Authentication service
<b>Stakeholders and Interests</b>	Users: Want to access to the gym system.
<b>Preconditions</b>	User exists in system.
<b>Success Guarantee</b>	User is logged into the gym system
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. User enters credentials into the gym system.</li><li>2. The gym system uses the authentication service to verify user's credentials.</li><li>3. Authentication service returns success or failure.</li><li>4. On success, user is logged into the gym system.</li><li>5. If the user is a trainer, user is directed to the trainer portal.</li><li>6. If the user is a manager, user is directed to the manager portal.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. System returns authentication error.<ol style="list-style-type: none"><li>a. The user is not able to log in and is redirected to the login page</li></ol></li></ol>

## UC18: Hire Managers

<b>Use Case Name</b>	UC18: Hire Managers (Create Manager)
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants managers to run the gym system.
<b>Preconditions</b>	At least one manager (admin user) must exist in system. Manager is logged into gym system.
<b>Success Guarantee</b>	The new manager is employed at the gym and information is recorded in the gym system.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include (UC20: Register User)</li><li>2. A manager enters the personal information (first name, last name, phone number email, and health insurance) for a manager.</li><li>3. A manager submits the manager information into the gym system.</li><li>4. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Missing Manager Information.<ol style="list-style-type: none"><li>a. Manager information is not registered with the system.</li><li>b. An error is returned explaining why manager information was not registered.</li></ol></li><li>2. Invalid Manager Information.<ol style="list-style-type: none"><li>a. Manager information is not registered with the system.</li><li>b. An error is returned explaining why manager information was not registered.</li></ol></li><li>3. Redundant Manager<ol style="list-style-type: none"><li>a. Manager information is not registered with the system.</li><li>b. An error is returned explaining why manager information was not registered.</li></ol></li></ol>

## UC19: Search Managers

<b>Use Case Name</b>	UC19: Search Managers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to get manager information.
<b>Preconditions</b>	User is logged into gym system.
<b>Success Guarantee</b>	Manager information is returned.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. A manager issues a query for manager information. The following are some of the queries:<ol style="list-style-type: none"><li>a. Manager(s) with a specific personal information.</li><li>b. Manager with a specific id (ids are unique).</li></ol></li><li>2. The system returns a list of managers based on the given query information..</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>1. Manager does not exist.<ol style="list-style-type: none"><li>a. The system returns an empty list..</li></ol></li></ol>

## UC20: Register User

<b>Use Case Name</b>	UC20: Register User
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Users: Want to be register with gym system.
<b>Preconditions</b>	At least one manager must exist in the system. User is logged into the gym system.
<b>Success Guarantee</b>	New user can log into the gym system.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Manager enters new user username and password into the gym system.</li><li>2. The gym system registers the new credentials with the authentication system.</li></ol>
<b>Extensions</b>	None

## UC21: Delete Trainers

<b>Use Case Name</b>	UC4: Delete Trainers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to remove trainer information.
<b>Preconditions</b>	Manager logged into gym system. Trainer must exist in gym system.
<b>Success Guarantee</b>	Trainer information is deleted.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Include(UC5: Search Trainers)</li></ol>



	<ol style="list-style-type: none"> <li>2. A manager deletes the trainer information</li> <li>3. The system returns success.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. Trainer information is not deleted <ol style="list-style-type: none"> <li>a. Error is returned explaining why the information was not deleted</li> </ol> </li> </ol>

## UC22: Delete Customers

<b>Use Case Name</b>	UC21: Delete Trainers
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to remove customer information. Trainer: Wants correct customer information in the system.
<b>Preconditions</b>	Manager logged into gym system. Trainer must exist in gym system.
<b>Success Guarantee</b>	Trainer information is deleted.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. Include(UC7: Search Customers)</li> <li>2. A manager deletes the customer information</li> <li>3. The system returns success.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. Trainer information is not deleted <ol style="list-style-type: none"> <li>a. Error is returned explaining why the information was not deleted</li> </ol> </li> </ol>

## UC23: Delete Inventory (Added in this iteration)

<b>Use Case Name</b>	UC21: Delete Inventory
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal

<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Manager: Wants to remove an equipment from the inventory. Trainer: Wants correct inventory information in the system.
<b>Preconditions</b>	Manager logged into gym system. Equipment must exist in the gym system
<b>Success Guarantee</b>	Equipment is deleted
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. Include(UC9: Search Inventory)</li> <li>2. A manager deletes the equipment from the inventory</li> <li>3. The system returns success.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. Equipment information is not deleted <ol style="list-style-type: none"> <li>b. Error is returned explaining why the equipment was not deleted</li> </ol> </li> </ol>

## UC24: Delete Exercise (Added in this iteration)

<b>Use Case Name</b>	UC24: Delete Exercise
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Trainer: Wants to remove an exercise from the system
<b>Preconditions</b>	Trainer logged into gym system. Exercise must exist in the system.
<b>Success Guarantee</b>	Exercise is deleted
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. Include(U11: Search Exercise)</li> <li>2. A trainer deletes the exercise from the system.</li> <li>3. The system returns success.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>2. Exercise information is not deleted <ol style="list-style-type: none"> <li>a. Error is returned explaining why the exercise was not deleted.</li> </ol> </li> </ol>

## UC25: Delete Workout Routine (Added in this iteration)

<b>Use Case Name</b>	UC24: Delete Workout Routine
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Manager
<b>Stakeholders and Interests</b>	Trainer: Wants to remove a workout routine from the system
<b>Preconditions</b>	Trainer logged into gym system. Workout routine must exist in the system.
<b>Success Guarantee</b>	Workout routine is deleted.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>4. Include(U14: Search Workout Routine)</li><li>5. A trainer deletes the workout routine from the system.</li><li>6. The system returns success.</li></ol>
<b>Extensions</b>	<ol style="list-style-type: none"><li>3. Workout routine is not deleted<ol style="list-style-type: none"><li>a. Error is returned explaining why the exercise was not deleted.</li></ol></li></ol>

## UC26: Unassign Workout Routines (Added in this iteration)

<b>Use Case Name</b>	UC26: Unassign Workout Routines
<b>Scope</b>	Indoor Gym Management System
<b>Level</b>	User goal
<b>Primary Actor</b>	Trainer
<b>Stakeholders and Interests</b>	Trainer: Wants to unassign workout routine(s) from a customer
<b>Preconditions</b>	<ol style="list-style-type: none"><li>1. User logged into gym system.</li></ol>

	<ol style="list-style-type: none"> <li>At least one workout routine is assigned to one customer</li> <li>At least one customer exists in the system</li> </ol>
<b>Success Guarantee</b>	Workout is unassigned successfully
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>Trainer selects the customer from which he wants to unassign workout routine</li> <li>Trainer un-assigns workout routine from the customer.</li> <li>Trainer repeats step 2 till all the desired workout routines are unassigned from the customer.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>Workout routine is not unassigned successfully <ol style="list-style-type: none"> <li>An error message is returned explaining why the workout routine was not unassigned.</li> </ol> </li> </ol>