

# **Gym System**

## **Web UI System Test Document - Project 4.0**

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**Note:** Not all use cases are defined as system tests. For example, UC20 (Register User) is a not standalone system tests. They are tested as a part of other system tests.

# UC1: Hire Trainer & UC20: Register User

**Overview:** Test the functionality that a manager can fire a new trainer.

**Pass/Fail Criteria:** This test case is considered as passed if the trainer's information is successfully persisted with the gym system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Trainer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add trainer button</li><li>2. Modify trainer button</li><li>3. Modify trainer qualifications button</li><li>4. Modify trainer work hours button</li><li>5. Search input field for trainers</li><li>6. Search button</li><li>7. Reset trainer page button</li><li>8. Selectable table containing the current trainers</li></ol>
2.	Select the add trainer button.	A modal containing the information to create a new trainer. The form is comprised of a trainer's personal information and user information. The follow fields should be presented: <ol style="list-style-type: none"><li>1. First Name</li><li>2. Last Name</li><li>3. Phone Number</li><li>4. Email Address</li><li>5. Street</li><li>6. City</li><li>7. State</li><li>8. Zipcode</li><li>9. Health Insurance</li><li>10. Other Health Insurance</li></ol>

		11. User Name 12. Password 13. Confirm Password 14. Submit Button
3.	The manager fills in the form.	
4.	The manager clicks the submit button.	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Phone number if the form of XXX-XXX-XXXX</li> <li>2. Email address in the form of <a href="#">xxxxx@xxx.xxx</a></li> <li>3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable</li> <li>4. User name must be unique to the gym system</li> <li>5. Password must be at least 8 characters</li> <li>6. Confirm password must match password.</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The trainer's table on the manager page should be updated with the new information.	

## UC2: Register Customer

**Overview:** Test the functionality of the manager's ability to register a new customer.

**Pass/Fail Criteria:** This test case is considered as passed if the customer's information is register in the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add customer button</li><li>2. Search input field for customers</li><li>3. Search button</li><li>4. Reset customer page button</li><li>5. Table containing the registered customers.</li><li>6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details</li></ol>
2.	Select the add customer button..	A modal containing the information to create a new customer. The form is comprised of a customer's personal information and membership status. <ol style="list-style-type: none"><li>1. First Name</li><li>2. Last Name</li><li>3. Phone Number</li><li>4. Email Address</li><li>5. Street</li><li>6. City</li><li>7. State</li><li>8. Zipcode</li><li>9. Health Insurance</li><li>10. Other Health Insurance</li></ol>

		11. Membership Status 12. Submit (Create) Button
3.	The manager fills in the form.	1.
4.	The manager clicks the add submit(create) button	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Phone number in the form of XXX-XXX-XXXX</li> <li>2. Email address in the form of <a href="#">xxxxx@xxx.xxx</a></li> <li>3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable</li> <li>4. User name must be unique to the gym system</li> <li>5. Password must be at least 8 characters</li> <li>6. Confirm password must match password.</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The customer's table on the manager page should be updated with the new information	

## UC3: Add Inventory

**Overview:** Test the functionality of the manager's ability to add a gym equipment to the inventory.

**Pass/Fail Criteria:** This test case is considered as passed if the equipment is added to the inventory

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Inventory".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add equipment button</li><li>2. Search input field for equipment</li><li>3. Search button</li><li>4. Reset equipment search button</li><li>5. Table containing the equipment present in the inventory .</li><li>6. Each equipment row should have an edit and delete link enabling the manager to edit or delete the equipment from the inventory</li></ol>
2.	Select the add equipment button.	A modal containing the information to add a new equipment.. The form is comprised of an equipment's name, quantity and picture. The following fields should be presented: <ol style="list-style-type: none"><li>1. Equipment Name</li><li>2. Equipment quantity</li><li>3. Option to upload the image</li><li>4. Add Equipment button</li><li>5. Cancel button</li></ol>

3.	The manager fills in the form.	When the manager uploads the image file, a preview of the image should be displayed below the upload button.
4.	The manager clicks the add equipment button	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Equipment name should not be empty</li> <li>2. Equipment quantity should not be empty.</li> <li>3. The uploaded picture must be an image file</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The inventory table on the manager page should be updated with the new information and the equipment image should be displayed in the picture column.	
6.	Instead of add equipment button in the modal, the manager clicks the cancel button	The modal should close and the inventory table should remain the same



## UC4: Modify Trainers

**Overview:** Test the functionality of the manager's ability to modify a current trainer.

**Pass/Fail Criteria:** This test case is considered as passed if the trainer's information is updated in the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Trainer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add trainer button</li><li>2. Modify trainer button</li><li>3. Modify trainer qualifications button</li><li>4. Modify trainer work hours button</li><li>5. Search input field for trainers</li><li>6. Search button</li><li>7. Reset trainer page button</li><li>8. Selectable table containing the current trainers</li></ol>
2.	The manager should click on the row in the table containing the information of the trainer to be modify.	Once the trainer's row is clicked, it should be highlight thus notifying the trainer is has been selected. The modify trainer button should now be selectable (no longer disabled).
3.	Select the modify trainer button.	A modal containing the information of the trainer should. The form is comprised of a trainer's personal information and user information. The follow fields should be presented: <ol style="list-style-type: none"><li>1. First Name</li><li>2. Last Name</li><li>3. Phone Number</li><li>4. Email Address</li></ol>

		5. Street 6. City 7. State 8. Zipcode 9. Health Insurance 10. Other Health Insurance 11. User Name 12. Password 13. Confirm Password 14. Submit Button All the fields should be pre-populated with the trainers current information.
4.	The manager fills in the form.	
5.	The manager clicks the submit button.	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Phone number if the form of XXX-XXX-XXXX</li> <li>2. Email address in the form of <a href="#">xxxxx@xxx.xxx</a></li> <li>3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable</li> <li>4. User name must be unique to the gym system</li> <li>5. Password must be at least 8 characters</li> <li>6. Confirm password must match password.</li> </ol> <p>The following must be met before information can be successfully submitted into the system.</p> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
6.	The trainer's table on the manager page should be updated with the new information.	

## UC5: Search Trainers

**Overview:** Test the functionality of the manager's ability to search for trainers.

**Pass/Fail Criteria:** This test case is considered as passed if the trainer's table is updated with only the trainers matching the search criteria.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Trainer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add trainer button</li><li>2. Modify trainer button</li><li>3. Modify trainer qualifications button</li><li>4. Modify trainer work hours button</li><li>5. Search input field for trainers</li><li>6. Search button</li><li>7. Reset trainer page button</li><li>8. Selectable table containing the current trainers</li></ol>
2.	The manager enters search information into the trainer's search bar.	
3.	The manager clicks the search button.	The search must be flexible enough to return a list of trainers where any of the trainers' information matches the search criteria.
4.	The trainer's table on the manager page should be updated with the search information.	If no trainers match the search criteria, the trainer's table should be empty.

## UC6: Modify Customers

**Overview:** Test the functionality of the manager's ability to modify a current customer.

**Pass/Fail Criteria:** This test case is considered as passed if the customer's information is updated in the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add customer button</li><li>2. Search input field for customers</li><li>3. Search button</li><li>4. Reset customer page button</li><li>5. Table containing the registered customer.</li><li>6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details</li></ol>
2.	Each customer row in the customer table has a link to Edit the customer data. Click on the edit link.	A modal containing the information of the customer must be displayed. The form is comprised of a customer's personal information and membership status. The follow fields should be presented: <ol style="list-style-type: none"><li>1. First Name</li><li>2. Last Name</li><li>3. Phone Number</li><li>4. Email Address</li><li>5. Street</li><li>6. City</li><li>7. State</li><li>8. Zipcode</li><li>9. Health Insurance</li></ol>

		10. Other Health Insurance 11. Membership Status 12. Submit Button All the fields should be pre-populated with the customer's current information.
3.	The manager fills in the form.	
4.	The manager clicks the submit button.	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Phone number if the form of XXX-XXX-XXXX</li> <li>2. Email address in the form of <a href="#">xxxxx@xxx.xxx</a></li> <li>3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable</li> <li>4. User name must be unique to the gym system</li> <li>5. Password must be at least 8 characters</li> <li>6. Confirm password must match password.</li> </ol> <p>The following must be met before information can be successfully submitted into the system.</p> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The customer's table on the manager page should be updated with the new information.	

## UC7: Search Customers

**Overview:** Test the functionality of the manager's ability to search for customers.

**Pass/Fail Criteria:** This test case is considered as passed if the customers table is updated with only the customers matching the search criteria.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add customer button</li><li>2. Modify customer button</li><li>3. Search input field for customers</li><li>4. Search button</li><li>5. Reset customer page button</li><li>6. Selectable table containing the current customers</li></ol>
2.	The manager enters search information into the customer's search bar.	
3.	The manager clicks the search button.	The search must be flexible enough to return a list of customer where any of the customers' information matches the search criteria.
4.	The customers table on the manager page should be updated with the search information.	If no customers match the search criteria, the customers table should be empty.
5.	The manager clicks the reset button.	The search input field should be set the blank and all the customers should be displayed in the customer table.

## UC8: Modify Inventory

**Overview:** Test the functionality of the manager's ability to modify the information of a gym equipment present in the inventory.

**Pass/Fail Criteria:** This test case is considered as passed if the equipment information is modified.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Inventory".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add equipment button</li><li>2. Search input field for equipment</li><li>3. Search button</li><li>4. Reset equipment search button</li><li>5. Table containing the equipment present in the inventory .</li><li>6. Each equipment row should have an edit and delete link enabling the manager to edit or delete the equipment from the inventory</li></ol>
2.	Each row in the inventory table has a link to Edit the equipment data. Click on the edit link.	A modal containing the equipment information should be displayed. The form is comprised of an equipment's name, quantity and picture. The following fields should be presented: <ol style="list-style-type: none"><li>1. Equipment Name</li><li>2. Equipment quantity</li><li>3. Option to upload the image</li><li>4. Add Equipment button</li><li>5. Cancel button</li></ol>

3.	The manager fills in the form.	When the manager uploads the image file, a preview of the image should be displayed below the upload button.
4.	The manager clicks the add equipment button	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Equipment name should not be empty</li> <li>2. Equipment quantity should not be empty.</li> <li>3. The uploaded picture must be an image file</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The inventory table on the manager page should be updated with the information and the equipment image should be displayed in the picture column.	
6.	Instead of add equipment button in the modal, the manager clicks the cancel button	The modal should close and the inventory table should remain the same



## UC9: Search Inventory

**Overview:** Test the functionality of the manager's ability to search an equipment in the inventory by name, id or quantity.

**Pass/Fail Criteria:** This test case is considered as passed if the inventory table is updated with only the equipment matching the search criteria.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Inventory".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add equipment button</li><li>2. Search input field for equipment</li><li>3. Search button</li><li>4. Reset equipment search button</li><li>5. Table containing the equipment present in the inventory .</li><li>6. Each equipment row should have an edit and delete link enabling the manager to edit or delete the equipment from the inventory</li></ol>
2.	The manager enters search information into the equipment search bar.	
3.	The manager clicks the search button.	The search must be flexible enough to return a list of equipment where any of the equipments' information matches the search criteria.
4.	The inventory table on the manager page should be updated with the search information.	If no equipment match the search criteria, the inventory table should be empty.
5.	The manager clicks the reset button.	The search input field should be set to

		blank and all the equipment should be displayed in the inventory table.
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## UC10: Create Exercise

**Overview:** Test the functionality of the trainer's ability to create an exercise.

**Pass/Fail Criteria:** This test case is considered as passed if the exercise is successfully created.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Exercise".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"> <li>1. Add exercise button</li> <li>2. Modify exercise button</li> <li>3. Delete exercise button</li> <li>4. Search exercise input field</li> <li>5. Search button</li> <li>6. Reset button to reset the search text</li> <li>7. Selectable table containing the exercises already present in the system.</li> </ol>
2.	Select the add/create exercise button.	A modal containing the information to add/create a new exercise. The form consists of the following: <ol style="list-style-type: none"> <li>1. Name input field</li> <li>2. Duration hours input field (optional)</li> <li>3. Duration minutes input field (optional)</li> <li>4. Duration seconds input field (optional)</li> <li>5. Sets list. Be default, this list displays nothing.</li> <li>6. Repetitions field (optional)</li> <li>7. Add set button</li> <li>8. Delete set button</li> <li>9. Machine drop down list</li> </ol>

		(optional)
3.	The trainer fills in the name field.	
4.	(Optional) The trainer fills in the duration hours field.	
5.	(Optional) The trainer fills in the duration minutes field.	
6	(Optional) The trainer fills in the duration seconds field.	
7.	(Optional) The trainer fills in the repetitions field and clicks the add set button.	The set list will be updated with a new repetition.
8.	(Optional) The trainer wants to remove a set and clicks the delete set button.	The set list will be updated with the most recent set removed.
9.	(Optional) The trainer selects a machine for the exercise.	
10.	Once fields are filled in accordingly, the trainer clicks submit to add/create the new exercise.	The modal should close and the table should be updated with the newly added exercise information.

## UC11: Search Exercise

**Overview:** Test the functionality of the trainer's ability to search an exercise.

**Pass/Fail Criteria:** This test case is considered as passed if the exercise table is updated based on the search results.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be	The trainer main page should change presenting the following options:

	presented. Select the option corresponding to "Exercise".	<ol style="list-style-type: none"> <li>1. Add exercise button</li> <li>2. Modify exercise button</li> <li>3. Delete exercise button</li> <li>4. Search exercise input field</li> <li>5. Search button</li> <li>6. Reset button to reset the search text</li> <li>7. Selectable table containing the exercises already present in the system.</li> </ol>
2.	The trainer enters in search information and clicks submit. Any in the rows should be searchable.	The selectable table should updated with only the information matching the search information.
3.	The train clicks the reset button to clear the search field.	The table should re-populate with all exercise information.

## UC12: Modify Exercise

**Overview:** Test the functionality of the trainer's ability to modify an exercise.

**Pass/Fail Criteria:** This test case is considered as passed if the exercise is successfully modified.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Exercise".	<p>The trainer main page should change presenting the following options:</p> <ol style="list-style-type: none"> <li>1. Add exercise button</li> <li>2. Modify exercise button</li> <li>3. Delete exercise button</li> <li>4. Search exercise input field</li> <li>5. Search button</li> <li>6. Reset button to reset the search text</li> <li>7. Selectable table containing the</li> </ol>

		exercises already present in the system.
2.	The trainer selects the row containing the exercise to be modified.	The modify exercise button should become enabled.
3.	Select the modify exercise button.	<p>A modal containing the current exercise information will open.. The form consists of the following:.</p> <ol style="list-style-type: none"> <li>1. Name input field</li> <li>2. Duration hours input field (optional)</li> <li>3. Duration minutes input field (optional)</li> <li>4. Duration seconds input field (optional)</li> <li>5. Sets list. Be default, this list displays nothing.</li> <li>6. Repetitions field (optional)</li> <li>7. Add set button</li> <li>8. Delete set button</li> <li>9. Machine drop down list (optional)</li> </ol>
4.	The trainer fills in the name field.	
5.	(Optional) The trainer fills in the duration hours field.	
6.	(Optional) The trainer fills in the duration minutes field.	
7	(Optional) The trainer fills in the duration seconds field.	
8.	(Optional) The trainer fills in the repetitions field and clicks the add set button.	The set list will be updated with a new repetition.
9.	(Optional) The trainer wants to remove a set and clicks the delete set button.	The set list will be updated with the most recent set removed.
10.	(Optional) The trainer selects a machine for the exercise.	
11.	Once fields are filled in accordingly, the trainer clicks submit to modify the exercise	The modal should close and the table should be updated with the newly modified exercise information.



## UC13: Create Workout Routine

**Overview:** Test the functionality of the trainer's ability to create a workout routine.

**Pass/Fail Criteria:** This test case is considered as passed if the workout routine is successfully created.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Workouts".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Create Workout button</li><li>2. Edit Workout button</li><li>3. Delete Workout button</li><li>4. Search workout input field</li><li>5. Search button</li><li>6. Reset button to reset the search text</li><li>7. Selectable table containing the workouts already present in the system.</li><li>8. Each workout row in the table must have a view exercises link which allows the trainer to view the exercises to the workout</li></ol>
2.	Select the create workout button.	A modal containing the information to create a new workout. The form consists of the workout name, a table showing the sequence of exercise added to the workout, a button to add exercise and the submit button. The following fields should be presented. <ol style="list-style-type: none"><li>1. Workout Name</li><li>2. A table showing the sequence of exercises added to the workout.</li><li>3. Each row in the table must have a "remove" link to remove</li></ol>

		<p>the exercise added to the workout.</p> <ol style="list-style-type: none"> <li>Add exercise button</li> <li>Submit button.</li> </ol>
3.	<p>The trainer fills in the form.</p> <ol style="list-style-type: none"> <li>Trainer selects exercise and clicks the add exercise button.</li> </ol>	<p>The exercise should be added to the table showing the sequence of exercises.</p>
4.	<p>The trainer fills in the form.</p> <ol style="list-style-type: none"> <li>Trainer clicks on the remove exercise link</li> </ol>	<p>The exercise should removed from the table and the sequence of exercises should be updated.</p>
5.	<p>The manager clicks the submit button</p>	<p>The system should implement the following constraints on the form.</p> <ol style="list-style-type: none"> <li>Workout name cannot be empty.</li> <li>Exercise list cannot be empty</li> <li>The exercises should be added to the workout in the order they were added by the trainer.</li> <li>The exercise list should not contain duplicates</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
6.	<p>The workout table on the trainer page should be updated with the new information</p>	



## UC14: Search Workout Routine

**Overview:** Test the functionality of the manager's ability to search a workout by id, name or exercise name

**Pass/Fail Criteria:** This test case is considered as passed if the workout table is updated with only the workouts matching the search criteria.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Workouts".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Create Workout button</li><li>2. Edit Workout button</li><li>3. Delete Workout button</li><li>4. Search workout input field</li><li>5. Search button</li><li>6. Reset button to reset the search text</li><li>7. Selectable table containing the workouts already present in the system.</li><li>8. Each workout row in the table must have a view exercises link which allows the trainer to view the exercises to the workout</li></ol>
3.	The trainer enters search keywords and clicks the search button.	The search must be flexible enough to return a list of workouts where any of the workouts' information matches the search criteria.
4.	The inventory table on the manager page should be updated with the search information.	If no equipment match the search criteria, the workout table should be empty.
5.	The trainer clicks the reset button.	The search input field should be set to

		blank and all the workouts should be displayed in the workout table.
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## UC15: Modify Workout Routine

**Overview:** Test the functionality of the trainer's ability to modify a workout routine.

**Pass/Fail Criteria:** This test case is considered as passed if the workout routine is successfully modified. .

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Workouts".	<p>The trainer main page should change presenting the following options:</p> <ol style="list-style-type: none"> <li>1. Create Workout button</li> <li>2. Edit Workout button</li> <li>3. Delete Workout button</li> <li>4. Search workout input field</li> <li>5. Search button</li> <li>6. Reset button to reset the search text</li> <li>7. Selectable table containing the workouts already present in the system.</li> <li>8. Each workout row in the table must have a view exercises link which allows the trainer to view the exercises to the workout</li> </ol>
2.	Click on the edit workout button.	<p>A modal containing the information to create a new workout. The form consists of the workout name, a table showing the sequence of exercise added to the workout, a button to add exercise and the submit button. The following fields should be presented.</p> <ol style="list-style-type: none"> <li>1. Workout Name</li> </ol>

		<ol style="list-style-type: none"> <li>2. A table showing the sequence of exercises added to the workout.</li> <li>3. Each row in the table must have a “remove” link to remove the exercise added to the workout.</li> <li>4. Add exercise button</li> <li>5. Submit changes button.</li> </ol>
3.	<p>The trainer fills in the form.</p> <ol style="list-style-type: none"> <li>1. Trainer selects exercise and clicks the add exercise button.</li> </ol>	The exercise should be added to the table showing the sequence of exercises.
4.	<p>The trainer fills in the form.</p> <ol style="list-style-type: none"> <li>2. Trainer clicks on the remove exercise link</li> </ol>	The exercise should be removed from the table and the sequence of exercises should be updated.
5.	The manager clicks the submit button	<p>The system should implement the following constraints on the form.</p> <ol style="list-style-type: none"> <li>1. Workout name cannot be empty.</li> <li>2. Exercise list cannot be empty</li> <li>3. The exercises should be added to the workout in the order they were added by the trainer.</li> <li>4. The exercise list should not contain duplicates</li> </ol> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
6.	The workout table on the trainer page should be updated with the new information	

## UC16: Assign Workout Routine

**Overview:** Test the functionality of the trainer's ability to assign a workout routine to a customer

**Pass/Fail Criteria:** This test case is considered as passed if the workout is assigned to a customer.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The trainer main page should change presenting the following options: 1. Assign workout button 2. Unassign workout button 3. Search customers field 4. Search button 5. Table containing the customers.
2.	Select the row containing the customer to have a workout assigned.	The row should turn dark gray. The assign workout button should now be enabled.
3.	Click the assign workout button.	A assign workout modal should appear. The modal should contain a list drop down list of workouts, and a submit button.
4.	Select the appropriate workout from the drop down list.	
5.	Click submit.	The modal should close. The customers table should be updated with the newly assigned workout added to the column for the respective customer.

# UC17: Login User

**Overview:** Test the user's ability to log into the gym system.

**Pass/Fail Criteria:** This test case is considered as passed if the user is successfully logged into the system and directed to the appropriate user portal.

**Precondition:** If the user is a trainer, UC1 (Hire Trainer) must have successfully passed. If the user is a manager, UC19 (Hire Managers) must have successfully passed. If the user is using the default admin account, no precondition exists.

Test Step	Description	Expected Results
1.	Directing the web browser to "http://<IP Address>:<Port>/" should bring up the gym system login.	The gym system web page should be loaded. The page should have input for a username and password, and a login button.
2.	The user enters a username and password.	
3.	The user clicks the login button.	<ol style="list-style-type: none"><li>1. If the username and password are a valid pair, the user should be redirected to the appropriate user portal.</li><li>2. If the username and password are invalid, the user stays on the login page</li></ol>

## UC18: Hire Manager & UC20: Register User

**Overview:** Test the functionality that an admin user to enter the information of a newly hired manager.

**Pass/Fail Criteria:** This test case is considered as passed if the manager's information is successfully persisted with the gym system.

**Precondition:** UC18 (Login User) must successfully pass for the admin/manager user.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Manager".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add manager button</li><li>2. Search input field for trainers</li><li>3. Search button</li><li>4. Reset button</li></ol>
2.	Select the add manager button.	A modal containing the information to create a new manager. The form is comprised of a manager's personal information and user information. The follow fields should be presented: <ol style="list-style-type: none"><li>1. First Name</li><li>2. Last Name</li><li>3. Phone Number</li><li>4. Email Address</li><li>5. Street</li><li>6. City</li><li>7. State</li><li>8. Zipcode</li><li>9. Health Insurance</li><li>10. Other Health Insurance</li><li>11. User Name</li><li>12. Password</li><li>13. Confirm Password</li><li>14. Submit Button</li></ol>

3.	The admin/manager fills in the form.	
4.	The admin/manager clicks the submit/create button.	<p>The system should implement the following constraints on the form:</p> <ol style="list-style-type: none"> <li>1. Phone number if the form of XXX-XXX-XXXX</li> <li>2. Email address in the form of <a href="#">xxxxx@xxx.xxx</a></li> <li>3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable</li> <li>4. User name must be unique to the gym system</li> <li>5. Password must be at least 8 characters</li> <li>6. Confirm password must match password.</li> </ol> <p>The following must be met before information can be successfully submitted into the system.</p> <p>If one of the constraints is not met, the manager should be notified accordingly.</p> <p>If all constraints are met, the modal form should close.</p>
5.	The managers table on the manager page should be updated with the new information.	

## UC19: Search Managers

**Overview:** Test the functionality of the manager's ability to search for managers.

**Pass/Fail Criteria:** This test case is considered as passed if the managers table is updated with only the managers matching the search criteria.

**Precondition:** UC18 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Manager".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add manager button</li><li>2. Search input field for trainers</li><li>3. Search button</li><li>4. Reset button</li></ol>
2.	The manager enters search information into the manager's search bar.	
3.	The manager clicks the search button.	The search must be flexible enough to return a list of managers where any of the manager's information matches the search criteria.
4.	The managers table on the manager page should be updated with the search information.	If no managers match the search criteria, the managers table should be empty.



## UC21: Delete Trainers

**Overview:** Test the functionality of the manager's ability to delete a trainer.

**Pass/Fail Criteria:** This test case is considered as passed if the trainer's information is deleted from the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Trainer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add trainer button</li><li>2. Modify trainer button</li><li>3. Delete trainer button</li><li>4. Add Qualification</li><li>5. Add Work Hours</li><li>6. Search input field for trainers</li><li>7. Search button</li><li>8. Reset trainer page button</li><li>9. Selectable table containing the current trainers</li></ol>
2.	The manager should click on the row in the table containing the information of the trainer to be modify.	Once the trainer's row is clicked, it should be highlight thus notifying the trainer is has been selected. The delete trainer button should now be selectable (no longer disabled).
3.	Select the Delete Trainer Button	The trainer's table on the manager page should be updated with the new information.

## UC22: Delete Customers

**Overview:** Test the functionality of the manager's ability to delete a customer.

**Pass/Fail Criteria:** This test case is considered as passed if the customer's information is deleted from the .

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add customer button</li><li>2. Search input field for customers</li><li>3. Search button</li><li>4. Reset customer page button</li><li>5. Table containing the registered customer.</li><li>6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details</li></ol>
2.	Each customer row in the customer table has a link to delete the customer data. Click on the delete link.	A confirm modal must be displayed confirming if the manager wants to delete the customer
3.	The manager clicks ok.	The customer information is deleted and the customer table is updated.
4.	The manager clicks Cancel	The customer information is not deleted and the customer table stays the same.

## UC23: Delete Inventory

**Overview:** Test the functionality of the manager's ability to delete an equipment.

**Pass/Fail Criteria:** This test case is considered as passed if the equipment information is deleted from the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a manager, a horizontal bar with options should be presented. Select the option corresponding to "Inventory".	The manager main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Add equipment button</li><li>2. Search input field for equipment</li><li>3. Search button</li><li>4. Reset equipment search button</li><li>5. Table containing the equipment present in the inventory .</li><li>6. Each equipment row should have an edit and delete link enabling the manager to edit or delete the equipment from the inventory</li></ol>
2.	Each row in the inventory table has a link to delete the equipment data. Click on the delete link.	A message should be displayed asking the manager if he wants to deleted the equipment or not.
3.	The manager clicks ok.	The equipment information is deleted and the inventory table is updated.
4.	The manager clicks Cancel	The equipment information is not deleted and the inventory table stays

		the same.
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## UC24: Delete Exercise

**Overview:** Test the functionality of the trainer's ability to delete an exercise.

**Pass/Fail Criteria:** This test case is considered as passed if the exercise information is deleted from the system.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Exercise".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"> <li>1. Add exercise button</li> <li>2. Modify exercise button</li> <li>3. Delete exercise button</li> <li>4. Search exercises field</li> <li>5. Search button</li> <li>6. Reset equipment search button</li> <li>7. Table containing the exercises.</li> </ol>
2.	Select the row to be delete.	The row should turn dark gray. The delete exercise button should now be enabled.
3.	A confirmation window with the name of the exercise should appear.	
4.	Select ok to remove the exercise from the system.	The exercise table should be regenerated without the deleted exercise.



## UC25: Delete Workout Routine

**Overview:** Test the functionality of the trainer's ability to delete an equipment.

**Pass/Fail Criteria:** This test case is considered as passed if the workout is deleted from the system.

**Precondition:** UC17 (Login User) must successfully pass for the manager.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Workouts".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"><li>1. Create Workout button</li><li>2. Edit Workout button</li><li>3. Delete Workout button</li><li>4. Search workout input field</li><li>5. Search button</li><li>6. Reset button to reset the search text</li><li>7. Selectable table containing the workouts already present in the system.</li><li>8. Each workout row in the table must have a view exercises link which allows the trainer to view the exercises to the workout</li></ol>
2.	The trainer selects the row he wants to delete and clicks on the delete workout button.	A message should be displayed asking the manager if he wants to deleted the equipment or not.
3.	The manager clicks ok.	The workout information is deleted and the workout table is updated.
4.	The manager clicks Cancel	The workout information is not deleted

		and the workout table stays the same.
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## UC26: Unassign Workout Routine

**Overview:** Test the functionality of the trainer's ability to unassign a workout routine to a customer

**Pass/Fail Criteria:** This test case is considered as passed if the workout is assigned to a customer.

**Precondition:** UC17 (Login User) must successfully pass for the trainer.

Test Step	Description	Expected Results
1.	On the main page for a trainer, a horizontal bar with options should be presented. Select the option corresponding to "Customer".	The trainer main page should change presenting the following options: <ol style="list-style-type: none"> <li>1. Assign workout button</li> <li>2. Unassign workout button</li> <li>3. Search customers field</li> <li>4. Search button</li> <li>5. Table containing the customers.</li> </ol>
2.	Select the row containing the customer to have a workout unassigned.	The row should turn dark gray. The unassign workout button should now be enabled.
3.	Click the unassign workout button.	An unassign workout modal should appear. The modal should contain a list drop down list of workouts currently assigned to the customer, and a submit button.
4.	Select the appropriate workout from the drop down list.	
5.	Click submit.	The modal should close. The customers table should be updated with the newly unassigned workout removed from the column for the respective customer.

