Gym System
Web UI System Test Document - Project 3.0

List of System Test Cases

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: 1. Add trainer button 2. Modify trainer button 3. Modify trainer qualifications button 4. Modify trainer work hours button 5. Search input field for trainers 6. Search button 7. Reset trainer page button 8. Selectable table containing the current trainers
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: 1. First Name 2. Last Name 3. Phone Number 4. Email Address 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
3.	The manager fills in the form.	
4.	The manager clicks the submit button.	The system should implement the following constraints on the form: 1. Phone number if the form of XXX-XXX-XXXX 2. Email address in the form of xxxxx@xxx.xxx 3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable 4. User name must be unique to the gym system 5. Password must be at least 8 characters 6. Confirm password must match password. The following must be met before information can be successfully submitted into the system. If one of the constraints is not met, the manager should be notified accordingly. If all constraints are met, the modal form should close.
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: 1. Add customer button 2. Search input field for customers 3. Search button 4. Reset customer page button 5. Table containing the registered customer. 6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details
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. The follow fields should be presented: 1. First Name 2. Last Name 3. Phone Number 4. Email Address 5. Street 6. City 7. State 8. Zipcode 9. Health Insurance 10. Other Health Insurance

		11. Membership Status 12. Submit (Create) Button
3.	The manager fills in the form.	
4.	The manager clicks the submit (create) button.	The system should implement the following constraints on the form: 1. Phone number in the form of XXX-XXX-XXXX 2. Email address in the form of xxxxx@xxx.xxx 3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable 4. User name must be unique to the gym system 5. Password must be at least 8 characters 6. Confirm password must match password. The following must be met before information can be successfully submitted into the system. If one of the constraints is not met, the manager should be notified accordingly. If all constraints are met, the modal form should close.
5.	The customer's table on the manager page should be updated with the new information.	

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: 1. Add trainer button 2. Modify trainer button 3. Modify trainer qualifications button 4. Modify trainer work hours button 5. Search input field for trainers 6. Search button 7. Reset trainer page button 8. Selectable table containing the current trainers
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: 1. First Name 2. Last Name 3. Phone Number 4. Email Address

		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.	The system should implement the following constraints on the form:
		   7. Phone number if the form of XXX-XXX-XXXX
		   8. Email address in the form of xxxxx@xxx.xxx
		   9. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable
		   10. User name must be unique to the gym system
		   11. Password must be at least 8 characters
		   12. Confirm password must match password.
		The following must be met before information can be successfully submitted into the system.
		
		If one of the constraints is not met, the manager should be notified accordingly.
		
		If all constraints are met, the modal form should close.

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: 1. Add trainer button 2. Modify trainer button 3. Modify trainer qualifications button 4. Modify trainer work hours button 5. Search input field for trainers 6. Search button 7. Reset trainer page button 8. Selectable table containing the current trainers
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: 1. Add customer button 2. Search input field for customers 3. Search button 4. Reset customer page button 5. Table containing the registered customer. 6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details
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: 1. First Name 2. Last Name 3. Phone Number 4. Email Address 5. Street 6. City 7. State 8. Zipcode 9. Health Insurance

		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.	The system should implement the following constraints on the form: 1. Phone number if the form of XXX-XXX-XXXX 2. Email address in the form of xxxxx@xxx.xxx 3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable 4. User name must be unique to the gym system 5. Password must be at least 8 characters 6. Confirm password must match password. The following must be met before information can be successfully submitted into the system. If one of the constraints is not met, the manager should be notified accordingly. If all constraints are met, the modal form should close.
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: 1. Add customer button 2. Modify customer button 3. Search input field for customers 4. Search button 5. Reset customer page button 6. Selectable table containing the current customers
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.

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.	1. If the username and password are a valid pair, the user should be redirected to the appropriate user portal. 2. If the username and password are invalid, the user stays on the login page

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: 1. Add manager button 2. Search input field for trainers 3. Search button 4. Reset button
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: 1. First Name 2. Last Name 3. Phone Number 4. Email Address 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

3.	The admin/manager fills in the form.	
4.	The admin/manager clicks the submit/create button.	The system should implement the following constraints on the form: 1. Phone number if the form of XXX-XXX-XXXX 2. Email address in the form of xxxxx@xxx.xxx 3. If the "--Other--" is selected in the health insurance drop down, the "Other Health Insurance" field should be modifiable 4. User name must be unique to the gym system 5. Password must be at least 8 characters 6. Confirm password must match password. The following must be met before information can be successfully submitted into the system. If one of the constraints is not met, the manager should be notified accordingly. If all constraints are met, the modal form should close.
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: 1. Add manager button 2. Search input field for trainers 3. Search button 4. Reset button
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 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: 1. Add trainer button 2. Modify trainer button 3. Delete trainer button 4. Add Qualification 5. Add Work Hours 6. Search input field for trainers 7. Search button 8. Reset trainer page button 9. Selectable table containing the current trainers
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 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: 1. Add customer button 2. Search input field for customers 3. Search button 4. Reset customer page button 5. Table containing the registered customer. 6. Each customer row should have an edit and delete link enabling the user to edit or delete the customer details
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.