Testing Document

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# Purpose/Objective

The purpose of this document is to provide a comprehensive test plan and test cases to test the full functionality of the Gym management system. Its goal is to find potential bugs and ensure the basic functionality of the System.

# Scope

System Tests

# Entry Criteria

* Entry

The System must have one user (Manager) created on the system to be used for testing.

Default Manager Credentials:

username: user

password: password

# Test Cases

### TC\_01 Login Screen

* Description

The tester verifies the login screen.

* Assumptions

The gym management system is currently running.

* Steps
  1. The tester navigates to the login page.
  2. The tester verifies the login page is present and formatted containing the Gym System title, labels for user name and password and their corresponding fields and a Login button.
* Expected Result

The login screen displays the title, labels for the username and password and their corresponding text fields with the Login button.

### TC\_02 Login - Manager

* Description

The tester logs onto the system as a manager.

* Assumptions

The manager has valid login credentials in the gym system.

* Steps
  1. The tester navigates to the login page.
  2. The tester enters in the manager’s credentials.
  3. The tester clicks the Login button to login to the system.
  4. The tester receives the successful login message and is directed to the main menu.
  5. The tester verifies they are viewing the manager screen with all options showing: “Hire Manager”, “Modify User Information”, “Hire Trainer”, Register Customer”, “Add Equipment Inventory”, “Modify Equipment”.
* Expected Result

The successful login message screen and the manager is able to successfully login to the system.

### TC\_03 Login - Trainer

* Description

The tester login onto the system as a trainer.

* Assumptions

The trainer has valid login credentials in the gym system.

* Steps
  1. The tester navigates to the login page.
  2. The tester enters in the trainer’s credentials.
  3. The tester clicks the Login button to login to the system.
  4. The tester receives the successful login message and is directed to the main menu.
  5. The tester verifies they are viewing the tester menu with the options to create routines and register customers. They should not have the ability to hire a manager or a trainer.
* Expected Result

The successful login message screen and the trainer is able to successfully login to the system.

### TC\_04 Unsuccessful Login

* Description

The tester attempts logging into the system with invalid credentials.

* Assumptions

The invalid credentials do not exist in the system.

* Steps
  1. The tester navigates to the login page.
  2. The tester enters in the invalid credentials.
  3. The tester clicks the Login button to login to the System.
  4. The tester receives the invalid credentials message and remains on the login screen.
* Expected Result

The invalid credentials message displays and the tester is not logged into the system.

### TC\_05 Hire Manager

* Description

The tester creates a new user with the Manager type.

* Assumptions

The tester is already on the system and is logged in as a Manager.

* Steps
  1. From the main menu the tester selects the “Hire Manager” button.
  2. The tester enters the Login information for the user.
  3. The tester enters in the personal information for the user.
  4. The tester enters in the user’s address information.
  5. The tester enters in the user’s login information.
  6. The tester selects the “Save” button.
  7. The tester receives the user successfully added message.
* Expected Result

The user is able to create a new user of the manager type on the system.

### TC\_06 Modify User Information - Manager

* Description

The tester updates an existing Managers user’s information.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
  + There is a Manager that exists on the system with personal information.
* Steps
  1. From the main menu the tester selects the “Modify User Information” button.
  2. The tester searches for the user by first and last name.
  3. The tester then finds the Manager to update.
  4. Verify the user’s information is displayed.
  5. The tester modifies the Manager’s personal information.
  6. The tester receives the user successfully updated message.
  7. The tester is redirected back to the main menu.
  8. The tester verifies the manager’s information was updated in the system.
* Expected Result

The user is able to update the Manager’s personal data.

### TC\_07 Remove User - Manager

* Description

The tester removes a manager from the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
  + There is a Manager that exists on the system.
* Steps

1. From the main menu the tester selects the “Modify User Information” button.
2. The tester searches for the user by first and last name.
3. The tester then finds the Manager to remove.
4. Verify the user’s information is displayed.
5. The tester selects the “Remove User” button.
6. The tester receives the user successfully removed message.
7. The tester is redirected back to the main menu.
8. The tester verifies the manager no longer exists on the system.

* Expected Result

The tester is able to remove the manager’s address data.

### TC\_08 Create User - Trainer

* Description

The tester creates a new user with the trainer type.

* Assumptions

The tester is already on the system and is logged in as a Manager.

* Steps

1. From the main menu the tester selects the “Hire Trainer” button.
2. The tester enters the Login information for the user.
3. The tester enters in the personal information for the user.
4. The tester enters in the user’s address information.
5. The tester selects the “Work Schedule” button
6. The tester then enters the start and end time.
7. The tester selects the weekday.
8. The tester clicks on the Add button.
9. The tester verifies the work time is added to the schedule list.
10. The tester selects the “Save” button
11. The tester receives the user successfully added message.

* Expected Result

The user is able to create a new trainer on the system.

### TC\_09 Modify User Information - Trainer

* Description

The tester updates an existing trainer’s personal information.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
  + There is a trainer that exists on the system.
* Steps

1. From the main menu the tester selects the “Modify User Information” button.
2. The tester searches for the user by first and last name.
3. The tester then finds the Manager to update.
4. Verify the user’s information is displayed.
5. The tester modifies the Manager’s personal information.
6. The tester receives the user successfully updated message.
7. The tester is redirected back to the main menu.
8. The tester verifies the manager’s information was updated in the system.

* Expected Result

The user is able to update the trainer’s personal data.

### TC\_10 Modify Work Schedule - Trainer

* Description

The tester creates a work schedule for a trainer.

* Assumptions
  + The tester is already on the system and is logged in as a manager.
  + There is a trainer that exists on the system.
* Steps

1. From the main menu the tester selects the “Modify User Information” button.
2. The tester searches by name the trainer to update.
3. The tester searches for the trainer to modify by name.
4. The tester selects the “Work Schedule” button.
5. The tester then enters the start and end time.
6. The tester selects the weekday.
7. The tester clicks on the add button.
8. The tester verifies the work time is added to the schedule list.
9. Tester adds other work times.
10. The tester selects the “Save” button
11. The tester receives the user successfully modified message.

* Expected Result

The tester is able to modify a schedule for a trainer.

### TC\_11 Remove User - Trainer

* Description

The tester removes a trainer from the system.

* Assumptions
  + The tester is already on the system and is logged in as a manager.
  + There is a trainer that exists on the system.
* Steps

1. From the main menu the tester selects the “Modify User Information” button.
2. The tester searches for the trainer by first and last name.
3. The tester selects the “Remove User" button.
4. The tester receives the user successfully removed message.
5. The tester verifies the trainer no longer exists on the system.

* Expected Result

The tester is able to remove the trainer from the system.

### TC\_12 Register Customer

* Description

The tester adds a customer to the system.

* Assumptions
  + The tester is already on the system and is logged in as a manager.
* Steps

1. From the main menu the tester selects the “Register Customer” button.
2. The tester enters in the personal information for the user.
3. The tester enters in the user’s address information and selects the “Save” button.
4. The tester selects the “Save” button.
5. The tester receives the user successfully added message.

* Expected Result

The tester is able to add a customer to the system.

### TC\_13 Update Personal Information - Customer

* Description

The tester updates a customer’s personal information on the system.

* Assumptions
  + The tester is already on the system and is logged in as a manager.
* Steps

1. From the main menu the tester selects the “Modify User Information” button.
2. The tester searches for the user by first and last name.
3. The tester then finds the Customer to update.
4. Verify the user’s information is displayed.
5. The tester modifies the Manager’s personal information.
6. The tester receives the user successfully updated message.
7. The tester is redirected back to the main menu.
8. The tester verifies the manager’s information was updated in the system.

* Expected Result

The tester is able to update a customer’s personal information.

### TC\_14 Update Address - Customer

* Description

The tester updates the customer’s address on the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
  + There is a customer that exists on the system with address information.
* Steps
  1. From the main menu the tester selects the “Modify User Information” button.
  2. The tester searches for the user by first and last name.
  3. The tester then finds the Manager to update.
  4. Verify the user’s information is displayed.
  5. The tester modifies the Manager’s address information.
  6. The tester receives the user successfully updated message.
  7. The tester is redirected back to the main menu.
  8. The tester verifies the manager’s information was updated in the system.
* Expected Result

The tester is able to update a customer’s address.

### TC\_15 Add Equipment

* Description

A new type of equipment is added to the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Add Equipment Inventory” button.
2. The tester enters in the equipment name, quantity and enters in the file path to a picture.
3. The tester selects the “save” button.
4. The tester receives the success message.

* Expected Result

The tester is able to add a new type of equipment to the system.

### TC\_16 Update Equipment

* Description

A type of equipment is removed from the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Modify Equipment Inventory” button.
2. The tester searches for the equipment to modify.
3. The tester modifies the equipment information.
4. The tester selects the “Save” button.
5. The tester receives the success message.

* Expected Result

The tester is remove the equipment from the system.

### TC\_17 Remove Equipment

* Description

A type of equipment is removed from the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Modify Equipment Inventory” button.
2. The tester searches for the equipment to remove.
3. The tester selects the option to remove the equipment.
4. The tester receives the success message.

* Expected Result

The tester is remove the equipment from the system.

### TC\_18 Create Exercise

* Description

An exercise is created on the system.

* Assumptions
  + The tester is already on the system and is logged in as a trainer.
* Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester is fills out the required information for the exercise and workout routine name.
3. The tester selects the option to “Add to Workout Routine”.
4. The tester verifies the saved exercise displays on the exercise list.

* Expected Result

The tester is able to create an exercise.

### TC\_19 Create a Workout Routine

* Description

The tester creates a new workout routine on the system.

* Assumptions
  + The tester is already on the system and is logged in as a trainer.
* Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester is fills out the required information for the exercise and workout routine name.
3. The tester selects the option to “Add to Workout Routine”.
4. The tester verifies the exercise and workout routine is displayed on the exercise list.

* Expected Result

The tester is able to create a new workout routine.

### TC\_20 Assign a Workout Routine to Customer

* Description

The user assigns a workout routine to a customer.

* Assumptions
  + The tester is already on the system and is logged in as a trainer.
* Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester searches for the customer to assign the routine.
3. The tester creates the routine to assign to the customer.
4. The tester selects the “assign workout to customer” button
5. The tester selects the “save” button.
6. The tester verifies the workout routine displays on the customer’s assigned workout routines view.

* Expected Result

The tester is able to assign a workout routine.

### TC\_21 View Customer’s Assigned Workout Routines

* Description

The user assigns a workout routine to a customer.

* Assumptions
  + The tester is already on the system and is logged in as a trainer.
* Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester selects the customer.
3. The customer displays with their assigned routines.
4. The tester verifies only assigned workout routines displays on the customer’s assigned workout routines view.

* Expected Result

All the workout routines assigned to the specific customer are displayed.

### TC\_22 Un-assign Workout Routine.

* Description

The user un-assigns a workout routine from a customer.

* Assumptions
  + The tester is already on the system and is logged in as a trainer.
* Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester searches for the customer.
3. The customers assigned routines are displayed.
4. The tester selects the workout routine to remove by typing in the name.
5. The tester selects the option to remove the routine.
6. The tester verifies the routine no longer displays on the customer’s assigned workout routines view.

* Expected Result

The workout routine is no longer assigned to the customer.

### TC\_23 Add Fitness Class

* Description

A new Fitness Class is added to the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Manage Classes” button.
2. The tester enters in the class name, selects the instructor and enters the max class size.
3. The tester enters in the class schedule.
4. The tester selects the “save” button.
5. The tester receives the success message.

* Expected Result

The tester is able to add a fitness class to the system.

### TC\_24 Update Fitness Class

* Description

A Fitness Class is updated on the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Manage Classes” button.
2. The tester selects the desired class from the classes drop down.
3. The tester modifies the class information.
4. The tester selects customers from the customer dropdown and selects the add button.
5. The tester selects the “Save” button.
6. The tester receives the success message.

* Expected Result

The tester is able to update a fitness class on the system.

### TC\_25 Remove Fitness Class

* Description

A Fitness Class is removed from the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Manage Classes” button.
2. The tester selects the desired class from the classes drop down.
3. The tester selects the option to remove the fitness class.
4. The tester receives the success message.

* Expected Result

The tester removes the fitness class from the system.

### TC\_26 Remove Fitness Class

* Description

A type of equipment is removed from the system.

* Assumptions
  + The tester is already on the system and is logged in as a Manager.
* Steps

1. From the main menu the tester selects the “Modify Equipment Inventory” button.
2. The tester searches for the equipment to remove.
3. The tester selects the option to remove the equipment.
4. The tester receives the success message.

* Expected Result

The tester successfully remove the fitness class from the system.

### TC\_27 View Assigned Fitness Class

* Description

A Trainer views their assigned fitness classes.

* Assumptions
  + The tester is already on the system and is logged in as a Trainer.
  + The tester has fitness classes assigned to them.
* Steps

1. From the main menu the tester selects the “View Classes” button.
2. The tester selects the assigned class to view.
3. The tester views the class schedule for the selected class.

* Expected Result

The tester successfully views their assigned fitness class from the system.

### TC\_28 Logout

* Description

The tester logs out of the system.

* Assumptions
  + The tester is already on the system and is logged in as a manager or tester.
* Steps

1. From the main menu the tester selects the “Logout” button.
2. The tester verifies that the successful logout message displays.
3. The tester verifies the login screen displays.

* Expected Result

The tester is able to log off the system.