Testing Document

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# 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.

# Test Cases

## TC\_01 Login Screen

### Description

The tester verifies the login screen.

### Assumptions

The gym management system is currently running.

Input Expected Output

1. Navigate to the login page.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.

### Status

PASS / FAIL

## 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.

* username: manager
* password: password

1. The tester clicks the Login button to login to the system.
2. The tester receives the successful login message and is directed to the main menu.
3. 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
* Manage Classes

### Expected Result

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

### Status

PASS / FAIL

## 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.

* username: trainer
* password: password

1. The tester clicks the Login button to login to the system.
2. The tester receives the successful login message and is directed to the main menu.
3. The tester verifies they are viewing the trainer screen with all options showing:

* Register Customer
* Modify User Information
* Add Equipment Inventory
* Modify Equipment
* Exercises and Workout Routines
* Assign Workout Routines
* View Classes

### Expected Result

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

### Status

PASS / FAIL

## 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.

* username: user
* password: password01

1. The tester clicks the Login button to login to the System.
2. 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.

### Status

PASS / FAIL

## 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 in the personal information for the user.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera

1. The tester enters in the user’s address information.

* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837

1. The tester enters in the user’s login information.

* username: jnall
* password: broncos

1. The tester selects the “Save” button.
2. The tester receives the user successfully added message.

### Expected Result

The user is able to create a new manager in the system.

### Status

PASS / FAIL

## TC\_06 Modify Information - Manager

DescriptionThe 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.

* First Name: Jalen
* Last Name: Nall

1. Verify the user’s information is displayed.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: broncos

1. The tester modifies the Manager’s personal information.

* Health Insurance: Blue Cross
* password: seahawks

1. The tester receives the user successfully updated message.
2. The tester is redirected back to the main menu.
3. The tester verifies the manager’s information was updated in the system.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Blue Cross
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: seahawks

### Expected Result

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

### Status

PASS / FAIL

## 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.

* First Name: Jalen
* Last Name: Nall

1. Verify the user’s information is displayed.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Blue Cross
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: broncos

1. The tester selects the “Remove User” button.
2. The tester receives the user successfully removed message.
3. The tester is redirected back to the main menu.
4. The tester verifies the manager no longer exists on the system.

### Expected Result

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

### Status

PASS / FAIL

## 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 in the personal information for the user.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera

1. The tester enters in the user’s address information.

* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837

1. The tester enters in the user’s login information.

* username: jnall
* password: broncos

1. The tester selects the “Work Schedule” button
2. The tester selects the start time, end time, and weekday.

* Start Time: \_9AM
* End Time: \_6PM
* Weekday: Monday

1. The tester clicks on the Add button.
2. The tester verifies the work time is added to the schedule list.
3. The tester selects the “Save” button
4. The tester receives the user successfully added message.

### Expected Result

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

### Status

PASS / FAIL

## TC\_09 Modify 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.

* First Name: Jalen
* Last Name: Nall

1. Verify the user’s information is displayed.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Blue Cross
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: broncos

1. The tester modifies the Manager’s personal information.

* Phone: 509-556-9087
* Street: 1234 E 3rd Lane

1. The tester receives the user successfully updated message.
2. The tester is redirected back to the main menu.
3. The tester verifies the trainer’s information was updated in the system.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-556-9087
* Health Insurance: Blue Cross
* Street: 1234 E 3rd Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: broncos

### Expected Result

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

### Status

PASS / FAIL

## 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 for the user by first and last name.

* First Name: Jalen
* Last Name: Nall

1. Verify the user’s information is displayed.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Blue Cross
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837
* username: jnall
* password: broncos

1. The tester selects the “Work Schedule” button.
2. The tester selects the start time, end time, and weekday.

* Start Time: \_9AM
* End Time: \_6PM
* Weekday: Friday

1. The tester clicks on the Add button.
2. The tester verifies the work time is added to the schedule list.
3. The tester selects the start time, end time, and weekday.

* Start Time: \_9AM
* End Time: \_6PM
* Weekday: Friday

1. The tester clicks on the Remove button.
2. The tester verifies the work time is removed from the schedule list.
3. The tester selects the “Save” button
4. The tester receives the user successfully modified message.

### Expected Result

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

### Status

PASS / FAIL

## 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 user by first and last name.

* First Name: Jalen
* Last Name: Nall

1. The tester selects the “Remove User" button.
2. The tester receives the user successfully removed message.
3. The tester verifies the trainer no longer exists on the system.

### Expected Result

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

### Status

PASS / FAIL

## 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.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera
* Membership Status: ACTIVE

1. The tester enters in the user’s address information.

* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837

1. The tester selects the “Save” button.
2. The tester receives the user successfully added message.

### Expected Result

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

### Status

PASS / FAIL

## TC\_13 Update 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.

* First Name: Jalen
* Last Name: Nall

1. Verify the user’s information is displayed.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera
* Membership Status: ACTIVE
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837

1. The tester modifies the Manager’s personal information.

* Membership Status: INACTIVE

1. The tester receives the user successfully updated message.
2. The tester is redirected back to the main menu.
3. The tester verifies the manager’s information was updated in the system.

* First Name: Jalen
* Last Name: Nall
* Email: J.Nall@me.com
* Phone: 509-432-2345
* Health Insurance: Premera
* Membership Status: INACTIVE
* Street: 1234 Merry Lane
* City: Richland
* State: OR
* Zipcode: 99837

### Expected Result

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

### Status

PASS / FAIL

## TC\_14 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 equipment information

* Equipment Name: Treadmill
* Quantity: 10
* Path to Picture: home/desktop/treadmill.png

1. The tester selects the “Save” button.
2. The tester receives the success message.

### Expected Result

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

### Status

PASS / FAIL

## TC\_15 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 by name.

* Equipment Name: Treadmill

1. Verify the user’s information is displayed.

* Equipment Name: Treadmill
* Quantity: 10
* Path to Picture: home/desktop/treadmill.png
* Image of the picture

1. The tester modifies the equipment information.

* Quantity: 8

1. The tester selects the “Save” button.
2. The tester receives the success message.

### Expected Result

The tester is remove the equipment from the system.

### Status

PASS / FAIL

## TC\_16 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 modify by name.

* Equipment Name: Treadmill

1. Verify the user’s information is displayed.

* Equipment Name: Treadmill
* Quantity: 10
* Path to Picture: home/desktop/treadmill.png
* Image of the picture

1. The tester selects the “Remove” button.
2. The tester receives the success message.

### Expected Result

The tester has removed the equipment from the system.

### Status

PASS / FAIL

## TC\_17 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 “Exercise and Workout Routines” button.
2. The tester is fills out the required information for the exercise.

* Exercise Name: Squats
* Number of Sets: 4
* Number of Repetitions: 10
* Equipment:

1. The tester selects the “Add Exercise” button
2. The tester verifies the saved exercise is displayed on the exercise list.

### Expected Result

The tester is able to create an exercise.

### Status

PASS / FAIL

## TC\_18 Remove Exercise

### Description

An exercise is removed from the system.

### Assumptions

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

Exercise is already in the system

### Steps

1. From the main menu, the tester selects the “Exercise and Workout Routines” button.
2. The tester is fills out the required information for the exercise.

* Exercise Name: Squats
* Number of Sets: 4
* Number of Repetitions: 10
* Equipment:

1. The tester selects the “Remove Exercise” button
2. The tester verifies the exercise is no longer displayed on the exercise list.

### Expected Result

The tester is able to create an exercise.

### Status

PASS / FAIL

## 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.

Exercise is already in system.

### Steps

1. From the main menu, the tester selects the “Exercise and Workout Routines” button.
2. The tester is fills out the required information for the workout routine.

* Workout Routine Name: W1
* Exercise: Squats

1. The tester selects the “Add to Workout Routine” button
2. The tester verifies the saved workout routine is displayed on the workout routine list.

### Expected Result

The tester is able to create a new workout routine.

### Status

PASS / FAIL

## TC\_20 Remove a Workout Routine

### Description

The tester removes a workout routine from the system.

### Assumptions

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

Workout routine and Exercise is already in system.

### Steps

1. From the main menu, the tester selects the “Exercise and Workout Routines” button.
2. The tester is fills out the required information for the workout routine.

* Workout Routine Name: W1

1. The tester selects the “Remove Workout Routine” button
2. The tester verifies the workout routine is no longer displayed on the workout routine list.

### Expected Result

The tester is able to remove a workout routine.

### Status

PASS / FAIL

## TC\_21 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.

Customer and workout routine is already in the system.

### Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester verifies the saved workout routine is displayed on the workout routine list.
3. The tester searches for the customer to assign the routine.

* First Name: Jalen
* Last Name: Nall

1. The tester verifies the customer’s assigned workout routines are displayed in the customer’s assigned workout routines view.
2. The tester searches for the routine to assign to the customer.

* Workout Routine Name: W1

1. The tester selects the “Assign Workout to Customer” button
2. The tester selects the “Save” button.
3. 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.

### Status

PASS / FAIL

## 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.

Customer and workout routine are already in system.

### Steps

1. From the main menu the tester selects the “Workout Routine” button.
2. The tester verifies the saved workout routine is displayed on the workout routine list.
3. The tester searches for the customer to assign the routine.

* First Name: Jalen
* Last Name: Nall

1. The tester verifies the customer’s assigned workout routines are displayed in the customer’s assigned workout routines view.
2. The tester searches for the routine to assign to the customer.

* Workout Routine Name: W1

1. The tester selects the “Remove Workout to Customer” button
2. The tester selects the “Save” button.
3. The tester verifies the workout routine is no longer displayed on the customer’s assigned workout routines view.

### Expected Result

The workout routine is no longer assigned to the customer.

### Status

PASS / FAIL

## 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.

* Class Name: Weightlifting
* Instructor: Nall, Jalen
* Max Class Size: 10

1. The tester enters in the class schedule.

* Start Time: \_9AM
* End Time: \_10AM
* Weekday: Monday

1. The tester selects the “Save” button.
2. The tester receives the success message.

### Expected Result

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

### Status

PASS / FAIL

## 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.

* Class Name: Weightlifting

1. The tester modifies the class schedule information.

* Start Time: \_9AM
* End Time: \_10AM
* Weekday: Monday

1. The tester selects the “Add” button and verifies class schedule information was updated.
2. The tester selects customers from the customer dropdown and selects the add button.
3. The tester selects the “Save” button.
4. The tester receives the success message.

### Expected Result

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

### Status

PASS / FAIL

## 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.

* Class Name: Weightlifting

1. The tester selects the “Remove” button.
2. The tester receives the success message.

### Expected Result

The tester removed the fitness class from the system.

### Status

PASS / FAIL

## 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.

* Class Name: Weightlifting

1. The tester views the class schedule for the selected class.

### Expected Result

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

### Status

PASS / FAIL

## 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.

### Status

PASS / FAIL