## Gym System - System Test Cases

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| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Log in as valid Manager with username “man” with password “pass” | Login Successful  Taken to main Manager Screen |  |  |
| 2 | Log in as valid Trainer with username “train” with password “pass” | Login Successful  Taken to main Trainer Screen |  |  |
| 3 | Log in as valid Customer with username “cus” with password “pass” | Login Successful  Taken to main Customer Screen |  |  |
| 4 | Log in as invalid Manager with username “man” with password “qwerty” | Login Unsuccessful  System displays “Goodbye” |  |  |

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## Manager Test Cases

**Prereq**: *Logged in as Manager*

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| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Select “Manage Trainers”  Select “Modify Trainer”  Select “Select Trainer from List”  Select Trainer 1 to Modify from List (Name: Jack Trainer).  Select “Y” to Edit.  Select “Edit First Name”  Enter new First Name “Kevin”  Select Display All Trainers | Trainers Display properly, Trainer 1’s information displays and originally has first name “Jack”  First Name of Trainer is Changed to “Kevin”  List of Trainers shows Changed name of “Kevin” for Trainer. |  |  |
| 2 | Select “Manage Trainers”  Select “Hire Trainer”  Enter null first name.  First Name: Enter “Rachel”  Last Name: Enter “Anderson”  Phone Number: Enter “4155551234”  Email Address: Enter “Rachel.Anderson@gmail.com”  ID: Enter “Rachel”  Password: Enter “pass”  Street: Enter “4567 Main Street”  City: Enter “Seattle”  State: Enter “WA”  Zip Code: Enter “98101”  Health Insurance Provider: Enter “n”  Qualification: Enter “n”  Work Hours: Enter “y”  Day of Week: Enter “1” for Monday  Start Hour: Enter “8”  Start Minute: Enter “17”  End Hour: Enter “8”  End Minute: Enter “0”  Add more: Enter “y”  Day of Week: Enter “4” for Thursday  Start Hour: Enter “12”  Start Minute: Enter “0”  End Hour: Enter “20”  End Minute: Enter “30”  Enter more Hours: Enter “n”  Select “Modify Trainer”  Select “Select Trainer From List”  Select “Rachel Anderson” | System should not allow first name to pass with a null name when entering Trainer details.  Trainer should be added to the System.  When Detailed Information is displayed, it should be as follows:  Name:Rachel Anderson  ID: Rachel  Address: Address: 4567 Main Street  Seattle, WA 98101  Phone Number: (415)-555-1234  Email Address: fdsa@fdsa  Health Insurance Provider: null  Work Schedule:  MONDAY: 08:00-17:00  THURSDAY: 12:00-20:30  Qualifications: |  |  |
| 3 | Select “Manage Equipment”  Select “Add Equipment”  Name: Enter “Kettlebell”  Photo: Enter “n”  More than 1: Enter “y”  Stock: Enter “9”  Enter valid information to create Equipment with a quantity > 1  Display all Equipment | System should be added to the Gym System.  List of Equipment shows new Equipment as follows:  Equipment Name: Kettlebell, Qty: 9  Picture Not Available |  |  |
| 4 | Select “Display all Equipment”  Select “Modify Equipment”  Select “Stairmaster” to modify  Select “Delete Equipment”  Are you sure?: Enter “y”  Select “Display all Equipment” | System should display all of the equipment in the Gym, including the Stairmaster.  Stairmaster should be deleted from Gym System.  System should display all of the equipment in the Gym, not including the stairmaster. |  |  |
| 5 | Select “Display all Equipment”  Select “Modify Equipment”  Select “Bench Press”  Select “Quantity”  Enter: “3”  Select “Display all Equipment” | System should display all of the equipment in the Gym, including the Bench Press with a quantity of 1.  Bench Press should be updated in the Gym System.  System should display all of the equipment in the Gym, including the Bench Press with a new quantity of 3. |  |  |

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## Trainer Test Cases

**Prereq**: *Logged in as Trainer*

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| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Select “View Schedule” | No schedule is logged so the message “You are currently not scheduled to teach any classes.” should display. |  |  |
| 2 | Select “Manage Customers”  Select “Register Customer”  First Name: Enter “Hugo”  Last Name: Enter “Lawrence”  Phone Number: Enter “4155a51234”  Phone Number: Enter “4155651234”  Email Address: Enter “Hugo.Lawrence@gmail.com”  ID: Enter “Hugo”  Password: Enter “p”  Street: Enter “987 Market Street”  City: Enter “San Francisco”  State: Enter “CA”  Zip Code: Enter “94678”  Health Insurance Provider: Enter “y”  Name: Enter “Liberty”  Membership Status: Select “Basic”  Select “Modify Customer”  Select “Select CUstomer From List”  Select “Hugo Lawrence” | System should not allow a phone number with a alphabetic character in it and should not continue until a 10-digit number is entered.  System should display that the Customer has been created as follows:  Name:Hugo Lawrence  ID: Hugo  Address: Address: 987 Market Street  San Francisco, CA 94678  Phone Number: (415)-565-1234  Email Address: Hugo.Lawrence@gmail.com  Health Insurance Provider: Liberty  Membership Status: BASIC |  |  |
| 3 | Select “Manage Customers”  Select “Modify Customer”  Select “Select Customer from List”  Select “Aaron”  Edit User: Enter “y”  Select “Membership Status”  Select “Premium”  Edit Selection: Enter “y”  Select “Select Customer from List”  Select “Aaron” | Customers Display properly  Customer shows with a Membership Status: BASIC  Customer is updated in the Gym System.  Customer displays the following Information when selected:  Name: Aaron Athletic  ID: Aaron  Address: Address: 123 Main Street  Sacramento, CA 95652  Phone Number: (123)-456-7891  Email Address: null  Health Insurance Provider: null  Membership Status: PREMIUM |  |  |
| 4 | Select “Manage Customers”  Select “Modify Customer”  Select “Select Customer from List”  Select “Name: Randy Runner, Randy”  Edit? Enter “y”  Select “Routines”  Select “Remove Routine”  Select “Select Customer from List”  Select “Name: Randy Runner, Randy”  Edit? Enter “y”  Select “Routines”  Select “Add Routine”  Select “Routine Name: Legs Routine”  Select “Select Customer from List”  Select “Name: Randy Runner, Randy”  Edit? Enter “y”  Select “Routines” | System should display information that the selected Customer does not have any Routines assigned to them.  System should notify that no Routine can be removed because the Customer has no Routines assigned to them.  Routine should add successfully to the Customer.  System should display the Routines that the Customer has assigned to them as follows:  The Customer is currently assigned the following Routines:  Routine Name: Legs Routine |  |  |
| 5 | Select “Manage Customers”  Select “Modify Customer”  Select “Select Customer from List”  Select “Name: Customer Tester, cus”  Edit? Enter “y”  Select “Routines”  Select “Remove Routine”  Select “Routine Name: Running Routine”  Select “Select Customer from List”  Select “Name: Customer Tester, cus”  Edit? Enter “y”  Select “Routines” | System should display the Routine that the Customer currently has assigned to them.  System should remove the selected Routine from the Customer.  System should display to User that the Customer has no Routines assigned to them anymore as follows:  Currently, the Customer does not have any Routines Assigned to them. |  |  |
| 6 | Select “Manage Classes”  Select “Display All Classes”  Select “Add Class”  Name: Enter “Endurance Training”  Select “Saturday”  Start Hour: Enter “10”  Start Minute: Enter “0”  End Hour: Enter “11”  End Minute: Enter “0”  Select “Display All Classes” | Classes should display as follows when first selected:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  Workout Class Name: Evening Yoga  Time of Class: WEDNESDAY: 18:00-19:00  Workout Class Name: Afternoon Weights  Time of Class: TUESDAY: 15:00-16:00  WorkoutClass should be added to the Gym System Successfully.  Gym System should show additional WorkoutClass after new class has been added:  Workout Class Name: Endurance Training  Time of Class: SATURDAY: 10:00-11:00 |  |  |
| 7 | Select “Modify Class”  Select “Evening Yoga”  Select “Change Time of Class”  Select “Tuesday”  Start Hour: Enter “5”  Start Minute: Enter “0”  End Hour: Enter “4”  End Minute: Enter “0”  Try again?: Enter “y”  Start Hour: Enter “5”  Start Minute: Enter “0”  End Hour: Enter “6”  End Minute: Enter “0”  Select “Display All Classes” | Gym System should display all classes properly for selection.  Gym System should not allow the user to enter an End Time that is before a Start Time.  WorkoutClass should be added to the Gym System Successfully.  When displaying all classes, it should now include:  Workout Class Name: Endurance Training  Time of Class: SATURDAY: 10:00-11:00 |  |  |
| 8 | Select “Manage Routines”  Select “Add Routine”  Enter “Crossfit”  Add new Exercise?: Enter “n”  Select “Exercise: Lunges”  Select “Modify Routine”  Select “Routine Name: Crossfit”  Select “Add Exercises”  Select “Exercise: Legs, performed for 10 minutes” to add to Routine.  Confirm add new Exercise?: Enter “y”  Select “Modify Routine”  Select “Routine Name: Crossfit” | Gym System should display Exercises to add successfully.  Routine should be added successfully initially and display in list of selections as follows: Routine Name: Crossfit.  Gym System should display class as follows:  Routine Name: Crossfit  Exercise: Lunges  Set 1: 15 Reps  Additional Exercise should be added successfully to the Routine.  Routine should now display information as follows:  Routine Name: Crossfit  Exercise: Legs, performed for 10 minutes  Exercise: Lunges  Set 1: 15 Reps |  |  |
| 9 | Select “Manage Exercises”  Select “Add Exercise”  Select “Equipment & Duration”  Name of Exercise: Enter “Chest and Arms Work”  Name of Equipment Needed: Enter “Rowing Machine”  Duration: Enter “10”  Select “Display All Exercises” | Equipment should display correctly for selecting from the User.  New Exercise should be added successfully to the Gym System.  When viewing the information, new Exercise should display as follows: |  |  |

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## Basic Customer Test Cases

**Prereq**: *Logged in as a Customer with a Basic Membership Status*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Select “View Assigned Routines” | System should display that the User is currently assigned a Routine as follows:  Routine Name: Running Routine |  |  |
| 2 | Select “Manage Private Trainer”  Select “View Current Trainer” | Customer should not be allowed to manage a private trainer.  Gym System should display the following Message to the user:  Only Regular and Premium Members can enroll with a Trainer.  Please consult a Trainer if you wish to change your Membership status |  |  |
| 3 | Select “Manage Private Trainer”  Select “Enroll With a Trainer” | Customer should not be allowed to enroll with a private trainer.  Gym System should display the following Message to the user:  Only Regular and Premium Members can enroll with a Trainer.  Please consult a Trainer if you wish to change your Membership status |  |  |
| 4 | Select “Manage Private Trainer”  Select “Unenroll From a Trainer” | Customer should not be allowed to unenroll from a private trainer.  Gym System should display the following Message to the user:  Only Regular and Premium Members can enroll with a Trainer.  Please consult a Trainer if you wish to change your Membership status |  |  |
| 5 | Select “View All Classes” | Gym System should display classes that the Gym offers. It should display the following:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  Workout Class Name: Evening Yoga  Time of Class: WEDNESDAY: 18:00-19:00  Workout Class Name: Afternoon Weights  Time of Class: TUESDAY: 15:00-16:00 |  |  |
| 6 | Select ”Manage Classes”  Select ”Enroll In Class” | Customer should not be allowed to enroll in a class.  Gym System should display the following Message to the user:  Only Premium Members can enroll in Fitness Classes. |  |  |
| 7 | Select ”Manage Classes”  Select ”Unenroll From Class” | Customer should not be allowed to unenroll from a class.  Gym System should display the following Message to the user:  Only Premium Members can enroll in Fitness Classes. |  |  |

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## Regular Customer Test Cases

**Prereq**: *Logged in as a Customer with a Regular Membership Status*

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| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Select “View Assigned Routines” | System should inform the user that they are currently not assigned any Routines as follows:  You are currently not assigned any Routines. |  |  |
| 2 | Select “Manage Private Trainer”  Select “View Current Trainer” | Gym System allows Regular Membership Customers to access Trainers.  Customer should initially have no Trainer, so Gym System will display:  You are currently not enrolled with a Trainer. |  |  |
| 3 | Select “Manage Private Trainer”  Select “Enroll With a Trainer”  Select “Jack Trainer”  Select “View Current Trainer” | Gym System should display a list of available Trainers.  Gym System should successfully enroll Customer with Trainer and display message:  You are now enrolled to Train with Jack Trainer |  |  |
| 4 | Select “Manage Private Trainer”  Select “Enroll With a Trainer”  Select “Jack Trainer”  Select “Enroll With a Trainer”  Unenroll?: Enter “n”  Select “View Current Trainer”  Select “Enroll With a Trainer”  Unenroll?: Enter “y”  Select “Amy Worker”  Select “View Current Trainer” | Gym System should display a list of available Trainers.  Gym System should successfully enroll Customer with Trainer and display message:  You are now enrolled to Train with Jack Trainer  Customer should already have a Trainer when trying to enroll again, so Gym System should notify the user that they already have a trainer.  Trainer should not initially change and should stay as Jack Trainer for user.  When enrolling a second time, System should notify user that they already have a Trainer.  Gym System should notify user that they have been unenrolled from their Trainer.  Gym System should update the Customer with their new Trainer.  Gym System should display the new Trainer info as follows:  You are enrolled with Trainer Amy Worker |  |  |
| 5 | Select “View All Classes” | Gym System should display classes that the Gym offers. It should display the following:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  Workout Class Name: Evening Yoga  Time of Class: WEDNESDAY: 18:00-19:00  Workout Class Name: Afternoon Weights  Time of Class: TUESDAY: 15:00-16:00 |  |  |
| 6 | Select ”Manage Classes”  Select ”Enroll In Class” | Customer should not be allowed to enroll in a class.  Gym System should display the following Message to the user:  Only Premium Members can enroll in Fitness Classes. |  |  |
| 7 | Select ”Manage Classes”  Select ”Unenroll From Class” | Customer should not be allowed to unenroll from a class.  Gym System should display the following Message to the user:  Only Premium Members can enroll in Fitness Classes. |  |  |

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## Premium Customer Test Cases

**Prereq**: *Logged in as a Customer with a Premium Membership Status*

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| --- | --- | --- | --- | --- |
| Step | Inputs/Instructions | Expected Results | Actual Results | Status PASS/FAIL (P/F) |
| 1 | Select “Manage Private Trainer”  Select “View Current Trainer” | Gym System allows Regular Membership Customers to access Trainers.  Customer should initially have no Trainer, so Gym System will display:  You are currently not enrolled with a Trainer. |  |  |
| 2 | Select “Manage Private Trainer”  Select “Enroll With a Trainer”  Select “Jack Trainer”  Select “View Current Trainer” | Gym System should display a list of available Trainers.  Gym System should successfully enroll Customer with Trainer and display message:  You are now enrolled to Train with Jack Trainer |  |  |
| 3 | Select “Manage Private Trainer”  Select “Enroll With a Trainer”  Select “Jack Trainer”  Select “Enroll With a Trainer”  Unenroll?: Enter “n”  Select “View Current Trainer”  Select “Enroll With a Trainer”  Unenroll?: Enter “y”  Select “Amy Worker”  Select “View Current Trainer” | Gym System should display a list of available Trainers.  Gym System should successfully enroll Customer with Trainer and display message:  You are now enrolled to Train with Jack Trainer  Customer should already have a Trainer when trying to enroll again, so Gym System should notify the user that they already have a trainer.  Trainer should not initially change and should stay as Jack Trainer for user.  When enrolling a second time, System should notify user that they already have a Trainer.  Gym System should notify user that they have been unenrolled from their Trainer.  Gym System should update the Customer with their new Trainer.  Gym System should display the new Trainer info as follows:  You are enrolled with Trainer Amy Worker |  |  |
| 4 | Select “View All Classes” | Gym System should display classes that the Gym offers. It should display the following:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  Workout Class Name: Evening Yoga  Time of Class: WEDNESDAY: 18:00-19:00  Workout Class Name: Afternoon Weights  Time of Class: TUESDAY: 15:00-16:00 |  |  |
| 5 | Select “Manage Classes”  Select “Enroll In Class”  Select “Morning Aerobics”  Select “Return”  Select “View Enrolled Classes” | Gym System should display all available Workout Classes.  Gym System should display that the User was successfully enrolled into the selected class.  When Customer views enrolled classes, Gym System should display:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00 |  |  |
| 6 | Select “Manage Classes”  Select “Enroll In Class”  Select “Morning Aerobics”  Select “Return”  Select “View Enrolled Classes” | Gym System should display all available Workout Classes.  Gym System should display that the User was successfully enrolled into the selected class.  When Customer views enrolled classes, Gym System should display:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  When the Workout Classes display the second time, user should see all classes EXCEPT the Morning Aerobics class because they are already enrolled in it.  Gym System should display that the User was successfully enrolled into the selected class.  When Customer views enrolled classes, Gym System should display:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  Workout Class Name: Evening Yoga  Time of Class: WEDNESDAY: 18:00-19:00 |  |  |
| 7 | Select “Manage Classes”  Select “Enroll In Class”  Select “Morning Aerobics”  Select “Return”  Select “View Enrolled Classes”  Select “Manage Classes”  Select “Unenroll From Class”  Select “Morning Aerobics”  Select “Return”  Select “View Enrolled Classes” | Gym System should display all available Workout Classes.  Gym System should display that the User was successfully enrolled into the selected class.  When Customer views enrolled classes, Gym System should display:  Workout Class Name: Morning Aerobics  Time of Class: MONDAY: 08:00-09:00  When Customer unenrolls from Class, Gym System should notify user that their unenrollment was successful.  Gym System should display to the user the following message:  You are currently not enrolled in any classes |  |  |

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