



BBM384 -Software Engineering Laboratory

Sports Center Membership System List of System Test Case Definitions

Group 4:

Aycan ÖZMEN – 21427248

Muazzez Şule KARAŞLAR-21427066

İlayda KAYA- 21580836

Mustafa DANYILDIZ – 21426845

Uğurcan ÇİFTÇİ -21526863

SPORTS CENTER MANAGEMENT SYSTEM TEST CASES

GROUP 4

SCMS-TC-001 – Login

1.1 – Wrong Credentials For Login

Description: Test for login operation with non-existent user info.

Expected: Error message appears and user could not login.

Pre-conditions: Login window is active.

Post-conditions: Login windows is active with empty forms.

1.2 – Valid Credentials For Login

Description: Test for login operation with a valid user info.

Pre-conditions: User registered and login windows is active.

Post-conditions: Home window for member is active.

Data required: username and password

1.3 – Empty Credentials For Login

Description: Test for login operation with empty user info.

Expected: Error message appears and user could not login.

Pre-conditions: Login window is active.

Post-conditions: Login windows is active with empty forms.

SCMS-TC-002 – Logout

2.1 – Logout

Description: Test for logout operation for member user.

Pre-conditions: User is logged in. Pushed the “logout” button on the interface.

Post-conditions: User logged out.

Data required: User credentials.

SCMS-TC-003 – Register

3.1 – Register

Description: User enters the needed informations and clicks register button. A success message should be shown.

Pre-conditions: No prior membership.

Post-conditions: A new member(user) should be created and saved in the database. Then a success message should be shown.

Data required: username: valid, password: valid, firstname: valid, lastname: valid, email: valid, phone: valid.

SCMS-TC-004 – List Physical Properties

4.1. List Physical Properties

Description: This is a test for Listing Physical Properties for member.

Pre-conditions: Actor is logged in and signed up a course.

Post-conditions: System shows physical properties of actor.

Data required: No data required.

SCMS-TC-005 - Sign Course

5.1. Sign courses that in the same time

Description: Test for sign courses operation which is in the same time courses.

Expected: Error message appears and user could not sign up.

Pre-conditions: Courses window is active.

Post-conditions: User gives up one of the courses.

5.2. Sign course which is full

Description: Test for sign course operation.

Expected: Error message appears and user could not sign up.

Pre-conditions: Courses window is active.

Post-conditions: User could not sign up .

5.3. Sign courses successfully

Description: Test for sign course successfully.

Pre-conditions: User is logged in and make payment for the course.

Post-conditions: Actor is signed to the course.

Data required: Courses and payment info.

SCMS-TC-006 - Pay Fine

6.1. No fines to pay

Description: Test for pay fine operation with no fine.

Expected: System disables “Pay Fine” button.

Pre-conditions: Member is logged in and currently in Main Customer Window .

Post-conditions: User could not pay fine .

6.2. Wrong payment information

Description: Member enters the wrong payment info.

Expected: The system will not accept it and program waits for correct payment information from user.

Pre-conditions: Member is logged in and currently in Main Customer Window .

Post-conditions: User could not pay fine .

6.3.Successfull Payment

Description: There is fine to pay and member enters the valid payment info.

Pre-conditions: Actor is logged in and currently in payment window.

Post-conditions: Actor pays a fine belongs to him/her.

Data required: User credentials and credit card info.

SCMS-TC-007 – History

7.1. History

Description: This is a test for history process.

Pre-conditions: Actor is logged in and currently in Payment Window and press 'History' button.

Post-conditions: Payment history is shown.

Data required: No data required.

SCMS-TC-008 - Enter attendance list.

Description: This is a test for attendance.

Pre-conditions: Actor is logged in and in Trainer Window currently.

Post-conditions: Actor enters attendance list.

Data required : No data required.

SCMS-TC-009 - Manipulate Physical properties of members

9.1. Add Physical properties of members

Description: This is a test for adding physical properties.

Pre-conditions: Actor is logged in and in Trainer Window currently .Also there is no record of physical properties of member.

Post-conditions: Physical properties of members are added.

Data required : Physical properties ; height:valid, weight:valid ,waistline:valid, arm:valid , leg:valid, shoulder:valid, chest:valid, body fat:valid.

9.2. Update physical properties of members

Description: This is a test for updating physical properties.

Pre-conditions: Actor is logged in and in Trainer Window currently .Also there is record of physical properties of member.

Post-conditions: Physical properties of member are updated.

Data required : Physical properties ; height:valid, weight:valid ,waistline:valid, arm:valid , leg:valid, shoulder:valid, chest:valid, body fat:valid.

SCMS-TC-010 - Define branch test case

10.1.Define branch accurately

Description: This is a test for defining branch by system manager. Manager fill branch information accurately and branch is defined.

Pre-conditions: Actor is logged in and in Main System Manager Window currently.

Post-conditions: A new branch defined.

Data required : branch name:valid , branch adress:valid , branch phone:valid.

10.2.Branch is already exists in database

Description: Test for defining branch.System manager try to define a existing branch.

Expected: System shows a message to inform system manager.

Pre-conditions: Actor is logged in and in Main System Manager Window currently.

Post-conditions: Branch will not be defined again or overwritten.

SCMS-TC-011 - Define course

11.1.Define course accurately

Description: This is a test for defining course by system manager. Manager fill course information accurately and course is defined.

Pre-conditions: Actor is logged in and in Main System Manager Window currently .

Post-conditions: A new course defined.

Data required : course name: valid , quota: valid, week period:valid, duration minute: valid, level:valid , equipment: valid, price : valid.

11.2. Course is already exists in database

Description: Test for defining course. System manager try to define a existing course.

Expected: System shows a message to inform system manager.

Pre-conditions: Actor is logged in and in Main System Manager Window currently.

Post-conditions: Course will not be defined again or overwritten.

SCMS-TC-012 - Define Payment

Description : This is a test for defining payment by system manager. Manager fill payment information accurately and course is defined.

Pre-conditions : Actor is logged in and in Main System Manager Window currently.

Post-conditions : A new payment method defined.

Data required : cardno:valid, paymenttype:valid, amount: valid.

SCMS-TC-013 - Create Employee

13.1.Create employee accurately

Description : This is a test for creating employee by system manager. Manager fill employee information accurately and employee is created.

Pre-conditions : Actor is logged in and in Main System Manager Window currently.

Post-conditions : A new branch manager appointed.

Data required: employee status: valid, employeeid: valid.

13.2. Person already exists in database.

Description: Test for creating employee.System manager try to create a existing employee.

Expected: System shows an error message and actor will be able to enter fields again.

Pre-conditions: Actor is logged in and in Main System Manager Window currently.

Post-conditions: employee will not be created again.

SCMS-TC-014 - Read Employee

Description: This is a test for reading branch manager information status by system manager.

Pre-conditions : Actor is logged in and in Main System Manager Window currently.

Post-conditions : The list of all branch managers showed.

Data required : None

SCMS-TC-015 - Update Employee

15.1 Update employee accurately

Description : This is a test for update employee. System manager clicks on desired branch manager's update button, actor change fields that he desires and the information of that branch manager will updated.

Pre-conditions : Actor is logged in and in Main System Manager Window currently.

Post-conditions : Informations of specified branch manager are updated.

Data-required : All changed parts of branch manager informations must be valid.

15.2 Entered parts are not valid

Description : This is a test for update employee. System manager changes a valid information with an invalid one.

Expected : System will show a warning message to inform on Employee Operations Window and allows to enter valid forms for fields.

Pre-condition : Actor is logged in and in Main System Manager Window currently.

Post-condition : Employee will not be updated and actor gets a warning message.

SCMS-TC-016 - Delete Employee

Description : This is a test for deleting an employee from system. System manager clicks on the “Delete” button of the employee that he want to delete and specified branch manager will deleted from the system.

Pre-conditions : Actor is logged in and in Main System Manager Window currently.

Post-conditions : The specified branch manager deleted from the database.

Data-required : None

SCMS-TC-017 - Create Customer

17.1 Customer created successfully

Description : Actor presses fills every field with valid informations and a new customer registered to system.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-conditions : A new customer registered to system.

Data-required : Name:valid, surname:valid, age:valid, e-mail adress:valid.

17.2 Entered parts are invalid

Description : This is a test for create a customer. Branch manager enters an invalid information.

Expected : System will show a warning message to inform on Customer Operations Window and allows to enter valid forms for fields.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-condition : Customer will not be created and actor gets a warning message.

17.3 Person already exists in database

Description : Test for creating customer. Branch manager try to create a existing customer again.

Expected : If the entered person is already in the database, customer will not be created or overwritten.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-condition : Customer will not be created and actor will be able to enter valid fields.

SCMS-TC-018 - Read Customer

Description: This is a test for reading customer information status by branch manager.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : The list of all customers showed.

Data required : None

SCMS-TC-019 - Update Customer

19.1 Update customer successfully

Description : This is a test for update customer. Branch manager clicks on desired customer's update button, actor change fields that he desires and the information of that customer will updated.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : Informations of specified customer are updated.

Data-required : All changed parts of customer informations must be valid.

19.2 Entered parts are not valid

Description : This is a test for update customer. Branch manager changes a valid information with an invalid one.

Expected : System will show a warning message to inform on Customer Operations Window and allows to enter valid forms for fields.

Pre-condition : Actor is logged in and in Main Branch Manager Window currently.

Post-condition : Customer will not be updated and actor gets a warning message.

SCMS-TC-020 - Delete Customer

Description : This is a test for deleting an customer from system. Branch manager clicks on the "Delete" button of the customer that he want to delete and specified customer will deleted from the system.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : The specified customer deleted from the database.

Data-required : None

SCMS-TC-021 - Open Course

21.1 A course activated successfully.

Description : This is a test for opening a course in a branch. Branch manager clicks on the course that he/she want to activate in him/her branch.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions: A course activated in specified branch.

Data-required : Quota:valid, week period:valid, duration time:valid, level:valid, trainer name:valid.

21.2 Entered parts are not valid

Description : This is a test for opening a course in a branch. Branch manager enters an invalid information in required data fields.

Expected : System will show a warning message to inform on Course Operations Window and allows to enter valid forms for fields.

Pre-condition : Actor is logged in and in Main Branch Manager Window currently.

Post-condition : Course will not be activated and actor gets a warning message.

21.3 Trainer not exists in database

Description : This is a test for opening a course in a branch. Branch manager enters a trainer which isn't in database.

Expected : Course will not be opened. Actor gets a warning message and will be able to enter valid forms for field.

Pre-condition : Actor is logged in and in Main Branch Manager Window currently.

Post-condition : Course will not be activated and actor gets a warning message.

SCMS-TC-022 - Create Trainer

22.1 Trainer created successfully

Description : Actor presses fills every field with valid informations and a new trainer registered to system.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-conditions : A new trainer registered to system.

Data required : Name:valid, surname:valid, age:valid, e-mail adress:valid, branch:valid, salary:valid, university:valid.

22.2 Entered parts are invalid

Description : This is a test for create a trainer. Branch manager enters an invalid information.

Expected : System will show a warning message to inform on Trainer Operations Window and allows to enter valid forms for fields.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-condition : Trainer will not be created and actor gets a warning message.

22.3 Person already exists in database

Description : Test for defining trainer. Branch manager try to create a existing trainer again.

Expected : If the entered person is already in the database, trainer will not be created or overwritten.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-condition : Trainer will not be created and actor will be able to enter valid fields.

SCMS-TC-023 - Read Trainer

Description: This is a test for reading trainer information status by branch manager.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : The list of all trainers showed.

Data required : None

SCMS-TC-024 - Update Trainer

24.1 Update trainer informations successfully

Description : This is a test for update trainer. Branch manager clicks on desired trainer's update button, actor change fields that he desires and the information of that customer will updated.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : Informations of specified trainer are updated.

Data required : All changed parts of trainer informations must be valid.

24.2 Entered parts are not valid

Description : This is a test for update trainer. Branch manager changes a valid information with an invalid one.

Expected : System will show a warning message to inform on Trainer Operations Window and allows to enter valid forms for fields.

Pre-condition : Actor is logged in and in Main Branch Manager Window currently.

Post-condition : Trainer will not be updated and actor gets a warning message.

SCMS-TC-025 - Delete Trainer

Description : This is a test for deleting an trainer from system. Branch manager clicks on the "Delete" button of the trainer that he want to delete and specified trainer will deleted from the system.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions : The specified trainer deleted from the database.

Data-required : None.

SCMS-TC-026 - Close Course

Description : This is a test for closing a course in a branch. Branch manager clicks on the course that he/she want to deactivate in him/her branch.

Pre-conditions : Actor is logged in and in Main Branch Manager Window currently.

Post-conditions: A course deactivated in specified branch.

Data required : None.

SCMS-TC-027 - Activate Member

27.1 Branch manager successfully activates the registration of a customer.

Description : This is a test for activate member. Branch manager clicks on “Add New User” button of desired course and enters required informations valid.

Pre-condition : Actor is logged in and currently in Main Branch Manager Window.

Post-condition : Branch manager activates a members registration to a course again.

Data required : Desired user selected by branch manager. Duration time:valid.

27.2 Course quota is full

Description : This is a test for activate member. Branch manager tries to add new customer to a course which its quota is already full.

Expected : If desired courses quota is full, the system will show a message to inform on Course Operations Window and the user will not be registered to course.

Pre-conditions : Actor is logged in and currently in Main Branch Manager Window.

Post-conditions : The customer will not be registered to course and the actor gets a warning message.