Test plan

Synthesis assignment

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# **Introduction**

This document contains information about testing the system. Moreover, below in a table are represent the Test Cases and the Use Cases they refer to. They describe how the Application should be tested.

# **Credentials**

## **For an Employee Account:**

Username: fifi

Password: fifi

## **For a Player Account:**

Username: gigi

Password: gigi

# **Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | UC | Name | Pre-condition | Test data | Expected Result |
| TC-01 | UC-1 | Log in as Staff | Open desktop application | Username: fifi  Password: fifi | Successful login;  Staff form opened |
| TC-02 | UC-1 | Log in without valid credentials | Open desktop application | Invalid data | Log In unsuccessful;  Same form remains open |
| TC-03 | UC-2 | Sign Out | User logged in as employee | None | Successful log out;  Login form opened |
| TC-04 | UC-3 | Create a tournament as an employee | Navigate to the Tournaments tab and press the ‘Add Tournament’ button | Add data in the required fields | New tournament is created |
| TC-05 | UC-3 | Create a tournament with insufficient data | Navigate to the Tournaments tab and press the ‘Add Tournament’ button | Add data only to some of the fields | Creation unsuccessful;  System displays error message |
| TC-06 | UC-4 | Delete tournament as an employee | Navigate to the Tournaments tab, choose a tournament and press the ‘Update Tournament’ button, then delete the tournament | None | Deletion successful;  Tournament is deleted from the system |
| TC-07 | UC-4 | Invalid deletion of a tournament | Navigate to the Tournaments tab but do not choose a tournament | None | Deletion unsuccessful;  System displays error message |
| TC-08 | UC-5 | Update a tournament as an employee | Navigate to the Tournaments tab, choose a tournament, press the ‘Update Tournament’ button and change the data | Modify data | Modification successful;  Tournament info is updated |
| TC-09 | UC-5 | Invalid  Modification of a tournament | Navigate to the Tournaments tab, choose a tournament, press the ‘Update Tournament’ button and add invalid data | Add invalid data | Modification unsuccessful;  System displays error message |
| TC-10 | UC-6 | Make schedule for a tournament as an employee | Navigate to the Schedule tab, choose a tournament and press the “Create/View Schedule” button | None | Schedule successfully created |
| TC-11 | UC-6 | Invalid addition of schedule to a tournament | Navigate to the Schedule tab, choose a tournament, which is more than 7 days in the future and press the “Create/View Schedule” button | None | Addition of schedule unsuccessfully;  System notifies the user |
| TC-12 | UC-7 | Add a match result as an employee | Navigate to the Schedule tab, choose a match and press the “Add Result button” | Add the result complying with the rules of the sport | Result of the match is saved to the system |
| TC-13 | UC-7 | Invalid addition of a match result | Navigate to the Schedule tab, choose a match and press the “Add Result button” | Add the result without complying with the rules of the sport | Result is not added to the system;  User notifies the user |
| TC-14 | UC-8 | Register for a tournament as a user | Open web application and navigate to the Tournaments page, choose a tournament and press the ‘Join’ button | Choose a tournament and enroll | User is added to the list of participants in the tournament |
| TC-15 | UC-8 | Register for a full tournament as a user | Open web application and navigate to the Tournaments page, choose a tournament that is full and press the ‘Join’ button | Choose a tournament and enroll | System displays error message; User is not added to the tournament |
| TC-16 | UC-9 | See information about active tournaments as a user | Open web application and navigate to the Tournaments page | None | User is able to see all active tournaments and their information |
| TC-17 | UC-10 | See tournament results as a user | Choose a tournament from the Tournaments page and press the ‘See Results’ button | None | User is navigated to Results page and is able to see the match results and classification |
| TC-18 | UC-10 | Try to see a not played tournament results as a user | Choose a tournament from the Tournaments page and press the ‘See Results’ button | None | User cannot see the results because the button is locked |
| TC-19 | UC-11 | User wants to create an account | Navigate to the Register page and fill the fields | Add data in the fields | Registration successful; User is navigated to the Login page |
| TC-20 | UC-11 | Invalid creation of account | Navigate to the Register page and fill some of the fields | Add data in only some of the fields | Registration unsuccessful; Error message is displayed |
| TC-21 | UC-11 | Create account with already used credentials | Navigate to the Register page and fill the fields | Add data in the fields with username: gigi and password: gigi | Registration unsuccessful; Error message is displayed |
| TC-22 | UC-12 | See your player profile as a player | Navigate to login page and login with credentials | Password: gigi  Username: gigi | Login successful.  User navigated to their player profile page |
| TC-23 | UC-12 | Invalid login | Navigate to login page and login with invalid credentials | Invalid credentials | System displays error message |