

TEST PLAN

Synthesis assignment



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# 1. Use Cases

## 1.1 Desktop application

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Use Case | Actor | Main Success scenario | Extensions |
| DA1 | Staff must be able to create tournaments | Staff | 1. Staff opens tournament page 2. Clicks “create tournament” 3. System opens new window with fields 4. Staff fills in all required information and confirms 5. System confirms the creation of the new tournament 6. System closes the window 7. System displays all tournaments | *4a. Any of the fields is not filled.*   1. *System displays that all fields must be filled* 2. *Return to MSS step 4*   *4a. Information formatted incorrectly*   1. *System displays that the information is formatted incorrectly* 2. *System clears wrongly formatted fields* 3. *Return to MSS step 4* |
| DA2 | Staff must be able to see information regarding a specified tournament | Staff | 1. Staff opens tournament page 2. System displays all tournaments 3. Staff double clicks on a specified tournament 4. The tournament information interface displays with the relevant information of the chosen tournament | *Not applicable* |
| DA3 | Staff must be able to update information regarding tournaments | Staff | 1. Staff opens tournament page 2. System displays all tournaments 3. Staff double clicks on a specified tournament 4. The tournament information interface displays with the relevant information of the chosen tournament 5. Staff updates the information of the tournament, by editing the information in the fields 6. Staff confirms the changes of the tournament 7. System displays the chosen tournament has been updated 8. The tournament information window closes 9. System displays all tournaments | *6a. Staff does not change any of the information displayed in the fields.*   1. *The information of the tournament stays the same.* 2. *Return to MSS step 8.*   *6b. Any of the information fields are empty or field with incorrect type of data.*   1. *System displays that part of the information is incorrect or missing.* 2. *Return to MSS step 5.* |
| DA4 | Staff must be able to delete tournaments | Staff | 1. Staff opens tournament page 2. System displays all tournaments 3. Staff chooses a tournament by double clicking on it 4. Staff presses the button for deleting tournament 5. System displays a window in which the staff must confirm by writing “DELETE” and confirms 6. System deletes the chosen tournament 7. System displays that the chosen tournament has been deleted 8. System displays updated list of tournaments | *6a. Wrong input for confirmation.*   1. *System displays that the input was wrong* 2. *return to MSS step 5.* |
| DA5 | Staff must be able to generate tournament’s schedule | Staff | 1. Staff opens schedule page 2. System displays tournaments 3. Staff double clicks on a tournament 4. System displays a message that there are not matches for this tournament 5. System opens a new window 6. Staff presses “create schedule” button 7. System generates and displays it | *3a. If tournament has matches.*   1. *System displays all matches and information regarding of them* 2. *End of use case*   *6a. If tournament has not reached the minimum players.*   1. *System displays not enough player message.* 2. *End of use case* |
| DA6 | Staff must be able to register results after games | Staff | 1. Staff opens schedule page 2. System displays tournaments 3. Staff double clicks on a tournament 4. System opens a new window with all the matches 5. Staff selects a match that he wants to update the score and presses “update score” 6. System opens a new window 7. Staff enters the scores of the players in the new window and confirms 8. System closes the window with the scores 9. System notify that the score is updated and reloads the matches | *3a. Tournaments does not have matches.*   1. *System displays message no matches were found* 2. *End of use case*   *7a. Scores are invalid.*   1. *System displays that the scores are invalid* 2. *Return to MSS step 7* |

## 1.2 Web application

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Use Case | Actor | Main success scenario | Extension |
| WA1 | Users must be able to register on the website | User | 1. User opens website 2. User navigates to “register” page 3. System displays register form with fields 4. User fills in the fields and presses the button” Register” 5. System navigates user to “log in” page | *4a. Any of the information fields are empty or field with incorrect type of data*   1. *System displays that part of the information is incorrect or missing* 2. *Return to MSS step 4.*   *4b. Username is not unique*   1. *System displays that the username is already taken.* 2. *Return to MSS step 4.* |
| WA2 | Users must be able to log in the website | User | 1. User opens website 2. User navigates to “log in” page 3. System displays log in form with fields 4. User fills in the fields username and password and presses the button “Log In” 5. System logs in the user navigating him to the landing page | *4a.* Any of the requested login information is incorrect   1. *System displays that login credentials were incorrect* 2. *Return to MSS step 4.* |
| WA3 | Users must be able to see the tournament schedule | User | 1. User opens the website 2. User navigates to the “schedule” page 3. System displays matches and their results | *Not applicable* |
| WA4 | Users must be able to see results of games | User | 1. User opens the website 2. User navigates to the “schedule” page 3. System displays matches and their results | *Not applicable* |
| WA5 | Users must be able to see tournament information | User | 1. User opens website 2. User logs in the website 3. User navigates to “tournaments” page 4. System displays all tournaments | *Not applicable* |
| WA6 | Users must be able to participate tournaments | User | 1. User opens website 2. User logs in the website 3. User navigates to “tournaments” page 4. System displays all tournaments 5. User clicks on “participate“ button of a specific tournament 6. System reloads the page, displaying tournaments | *Not applicable* |
| WA7 | Users should be able to cancel their participation of a tournament | User | 1. User open website 2. User logs in the website 3. User navigates to “tournaments” page 4. System displays all tournaments 5. User clicks on “cancel” button of a tournament 6. System reloads the page, displaying tournaments | *Not applicable* |
| WA8 | Users must be able to see a leader board of a specific tournament | User | 1. User open website 2. User navigates to “home” page 3. System displays all tournaments that have started 4. User clicks on a tournament 5. System navigates user to a new page and displays the leader board of the specific tournament. | *Not applicable* |

# 2. Test Cases

Legend:  
Green – test data  
NA – not applicable  
Orange – invalid information

## 2.1 Desktop

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | UC | Name | Pre-Condition | Test Data | Expected Result |
| 1 | DA1 | Staff creating a tournament | NA | Tournament Name:  Major  Tournament Description: This is a long description…  Tournament Location: Eindhoven  Tournament Sport: Badminton  Tournament System Type: Round-Robin  Tournament Start Time: 1st of July  Tournament End Time:  1st of July  Tournament Minimum Players: 2  Tournament Maximum Players 10 | System closes the create tournament window, notifying that it was successfully created and refreshing the tournament page to display it. |
| 2 | DA1 | Staff creating a tournament with empty field/fields | NA | Tournament Name - Empty  Tournament Description: This is a long description…  Tournament Location: Eindhoven  Tournament Sport: Badminton  Tournament System Type: Round-Robin  Tournament Start Time: 1st of July  Tournament End Time:  1st of July  Tournament Minimum Players: 2  Tournament Maximum Players 10 | System notifies that all fields must be filled |
| 3 | DA1 | Staff creating a tournament with invalid start and end dates | NA | Tournament Name:  Major  Tournament Description: This is a long description…  Tournament Location: Eindhoven  Tournament Sport: Badminton  Tournament System Type: Round-Robin  Tournament Start Time: 1st of July  Tournament End Time:  30th of June  Tournament Minimum Players: 2  Tournament Maximum Players 10 | System notifies that the start and end date are invalid. |
| 4 | DA2 | Staff must be able to see information regarding a specified tournament | NA | NA | System displays a new window showing some of the tournament information |
| 5 | DA3 | Staff updating tournament name | NA | Change Tournament name to:  Enough already | Update Window closes, system displays message “Tournament updated” and refreshes data. |
| 6 | DA3 | Staff updating tournament name leaving it empty | NA | Change Tournament name to: Empty | System notifies that all fields must be filled. |
| 7 | DA4 | Staff deleting a tournament | NA | NA | System closes window and notify that the tournament is deleted successfully, afterwards refreshes tournaments |
| 8 | DA4 | Staff deleting a tournament and puts incorrect confirmation | NA | NA | System notifies the confirmation word is incorrect. |
| 9 | DA5 | Staff generates schedule of a tournament | NA | Select tournament - MSI | System notifies that the schedule was created and refreshes the table with the created matches |
| 10 | DA5 | Staff tries to generate a schedule of a tournament who doesn’t have the minimum count of players | NA | Select tournament – 0Players | System notifies that there are not enough players, and showing how much you need to start it. |
| 11 | DA6 | Staff updating the result of a game | NA | Select tournament - League  Select any match.  Player1 score: 2  Player2 score: 3 | System notifies that the score was updated and refreshed the table |
| 12 | DA6 | Staff updating the result of a game with invalid scores | NA | Select tournament - League  Select any match.  Player1 score: 2  Player2 score: 1 | System notifies that the scores are invalid |

## 2.2 Website

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | UC | Name | Pre-Condition | Test Data | Expected Result |
| 13 | WA1 | User registering in the website | NA | Username:  majorno  First Name:  Majorno  Email:  majo@gmail.com  Last Name:  badmin  Password:  123123  Repeat Password:  123123  Age:  23  Gender:  Female | System notifies that the registration was successful and navigates the user to the login page. |
| 14 | WA1 | User registering in the website with empty fields | NA | Username:  majorno  First Name:  Majorno  Email:  majo@gmail.com  Password:  123123  Repeat Password:  123123  Age:  23  Gender:  Female | System notifies that the specific field is empty. |
| 15 | WA1 | User registering in the website with not unique username | Username must be already taken by another user | Username:  martin  First Name:  Majorno  Email:  majo@gmail.com  Last Name:  badmin  Password:  123123  Repeat Password:  123123  Age:  23  Gender:  Female | System notifies that the username is taken. |
| 16 | WA2 | User logging in the website | To have an account | Username:  martin  Password:  martin | System notifies that the user has logged in successfully and navigates him to the home page. |
| 17 | WA2 | User logging in the website | NA | Username:  Martin1  Password:  martin | System notifies that the username or password are incorrect. |
| 18 | WA3 | User seeing the tournament schedule | NA | NA | System displays all matches with scores and players from started tournaments |
| 19 | WA4 | User seeing the result of games | NA | NA | System displays all matches with scores and players from started tournaments |
| 20 | WA5 | User must be able to see tournament information | To have an account. | NA | System displays all tournaments with information regarding them. |
| 21 | WA6 | User registering to participate in a tournament | To have an account.  To have an available for participating tournament. | Any tournament that has the participate button | System reloads notifying that the person successfully registered for the tournament. |
| 22 | WA7 | User cancelling their participation | To have an account.  Tournament has not been stared. | Any tournament that has the cancel button | System reloads notifying that the person successfully cancelled their participation for the tournament. |
| 23 | WA8 | User seeing the leader board of a tournament | A tournament that has started. | Select any tournament | System displays the leader board of a tournament. |