
System Requirements Statement (SRS)

Play Pro Football

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Introduction

This document explains the system requirements and scope for developing PlayPro Football Tournament Management System.

PlayPro Football is divided into three main parts: Committee part, Spectator part, Admin part.

2. Functional Requirement

- The Account part of PlayPro Football System has three modules which are divided into several processes described as below.

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2.1 Committee Module

- The Committee module is responsible for managing player authentication, tournament planning, and match execution.
- It handles player portfolios, debars disqualified players, and publishes tournament schedules and results.

2.1.1 Account Creation Process

- PlayPro Football System compels to create the account before using it. So, PlayPro Football System should provide the function which makes committee creates new account.
- When committee creates new account, the function demands four information described as below.

1. Login information
2. Contact Details

- The Login information

The Login information consists of some items described as below.

1. UserID
2. Password
3. First Name
4. Last Name
5. E-mail address
6. User Type

➤ All items are compulsory demanded.

➤ UserID

- ✓ The UserID should be unique. If the UserID correspond with not case-sensitive to other which is previously registered, the UserID should not be registered as an account.

➤ Password

- ✓ The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

1. Numeric figure (at least one)
2. Capital alphabet (A-Z)(at least one)
3. Small alphabet (a-z)(at least one)
4. Special character (#, \$, %, &, etc.) (at least one)

- ✓ The Password is masked by dummy characters. The re-entering Password is demanded.
- ✓ The Password must be encrypted in e-Farming System.

➤ User Type

The User Type falls into three categories described as below.

1. Committee
2. Spectator
3. Administrator

- ✓ The User Type defines also three types of user; "Committee user", "Spectator user", and "Administrator user".
- ✓ In an Account Creation Process, the user can select Committee.
- ✓ No one could select The Administrator, because Administrator is implemented to PlayPro Football System in advance.

- Contact Details

- The Contact Detail consists of some items described as below.

1. Permanent Address
2. Contact Phone No

➤ All items are compulsory demanded.

➤ Permanent Address

- ✓ Permanent Address should be filled.
- ✓ But only the state should be selected from options.

- The Security Question information

The Security Question information is needed when farmer lost their Password. This information consists of two items described as below.

1. Selected Question
2. Answer

➤ All items are compulsory demanded.

➤ Some questions which are difficult to answer for anyone else are prepared in advance.

E.g. which color do you like most?

➤ A question should be selected from options by the committee, and the Answer is registered by the committee.

- Login information should be entered on one screen, and then committee information and Security Question information should be entered on another screen.

2.1.2 Login Process

- PlayPro Football System always compels user authentication before using itself except when a new account is successfully created.
- The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
 - First, The UserID and the Password should be existed and correct.
 - ✓ If The UserID and the Password are not equal to what the user has registered, the user authentication cannot be provided.
 - Second, the User Type linked to the UserID should be "committee".
 - ✓ When the User Type is "Committee", then user can be placed on "Committee Home".
 - Finally, UserID should be available.
 - ✓ The Administrator can decide whether the UserID is available or suspended - Refer to the SRS of the Admin part.
 - ✓ If committee is rejected, user authentication is not provided for system user.
- The committee account should alive for so long as the duration decided by Admin.
- Only when the three checks are successfully completed, committee can be placed on respected page.
- The "Committee Home" provides the some items described as below.
 1. A trigger to logout
 2. A trigger to update Account
 3. A trigger to Change Password
 4. A trigger to Search Match or Tournament Info
 5. A trigger to Publish Match or Tournament Info for feedback or stats
 6. A trigger to Update Match or Tournament Info Information
 7. A trigger to Delete Match or Tournament Info
 8. A trigger to Browse existing Market price

2.1.3 Forgot Password Process

- When system user lost their Password, the recovery method should be provided by PlayPro Football system.
 - The recovery method is described as below.
 - First, system user enters their UserID for PlayPro Football System.
 - Next, PlayPro Football System demands the Answer which has been registered since when the Account was created.
 - Only when the Answer is correct, committee get the new password by E-mail which also has been registered since when the Account was created.
 - The new password is automatically generated by PlayPro Football System.
 - ✓ Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
- As a consequence, The Committee could get the committee authentication using the new password.
 - ✓ Then, the committee had better change the new password manually.
- If the Answer is not correct, otherwise, the correct Answer is demanded for user again.
 - ✓ In that case, Of course, committee couldn't get the new password.

Change Password Process

- When committee wants to change their Password, the measure should be provided by PlayPro Football System.
- Therefore, PlayPro Football System should provide the function which is available after getting the committee authentication.
- The function demands the current password and the new password.
 - Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
 - The current password and the new password are masked by using dummy characters.
 - The new password is demanded to enter twice to avoid a typing error.
- Only when the current password is correct, committee could change their Password.

- When the current password is changed into new password, PlayPro Football System compels user authentication again.

Update Account Process

- PlayPro Football System should provide the function which makes the account updated for committee.
- The information committee could update is described below.
 1. Login information
 2. User information
 3. Security Question Information
- The Login information
 - The updatable items as described below.
 1. First Name
 2. Last Name
 3. E-mail address
 - All items are compulsory demanded, but updating is optional.
- The User information
 - The updatable items as described below.
 1. User Name
 2. User Phone No
 3. E-mail address
 4. Permanent address
 - All items are compulsory demanded, but updating is optional.
- The Security Question information
 - The updatable items as described below.
 1. Selected Question
 2. Answer
 - All items are compulsory demanded, but updating is optional.

2.1.4 Search match or tournament info

- Search conditions are described as below.
- Match or Tournament Info category
- Price range

2.1.5 Publish match or tournament info for feedback or stats

- Publish match or tournament infos requirements are described as below.
- Match or Tournament Info category
- Price
- Match or Tournament Info name
- Quantity
- Photos

Committee can see match statistics before publishing match or tournament infos.

2.1.6 Update match or tournament info information

- After publishing the match or tournament info the committee can only update following contents.
- Match or Tournament Info quantity
- Match or Tournament Info price.

2.1.7 Delete match or tournament info information

- After Publishing if committee wants to remove some match or tournament infos then he can delete the match or tournament info.

2.1.8 Browse existing match or tournament info Price

- Committee could see the information of existing match or tournament infos.

2.5 Use Case Diagram

Committe

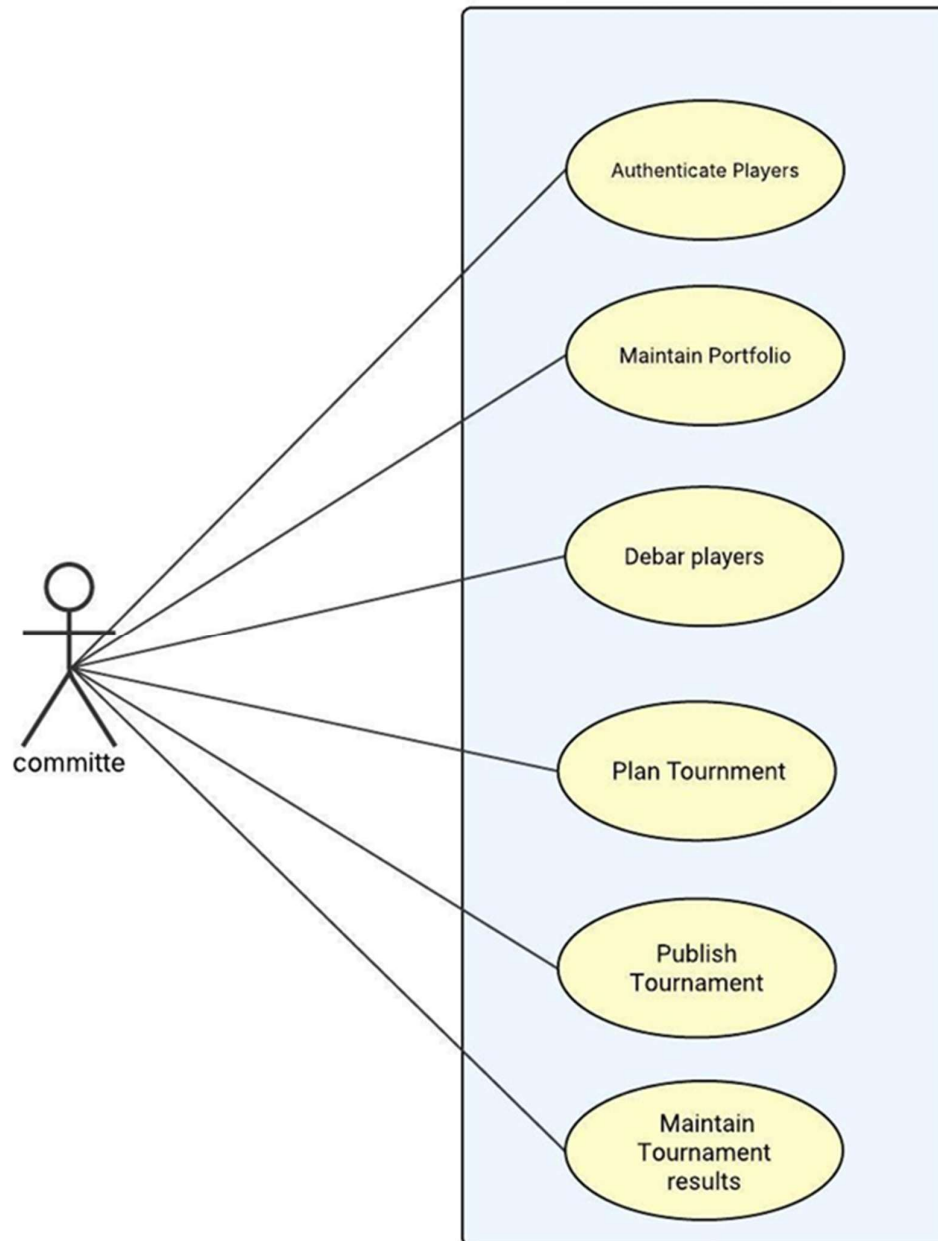


Fig. Use case diagram for committee

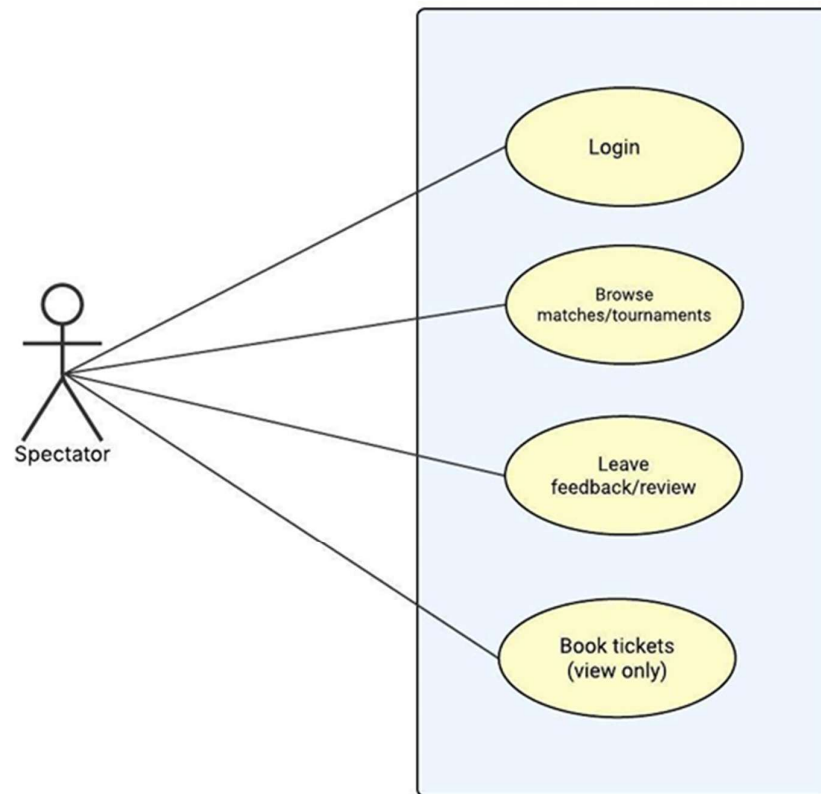


Fig. Use case diagram for Spectator

Admin:

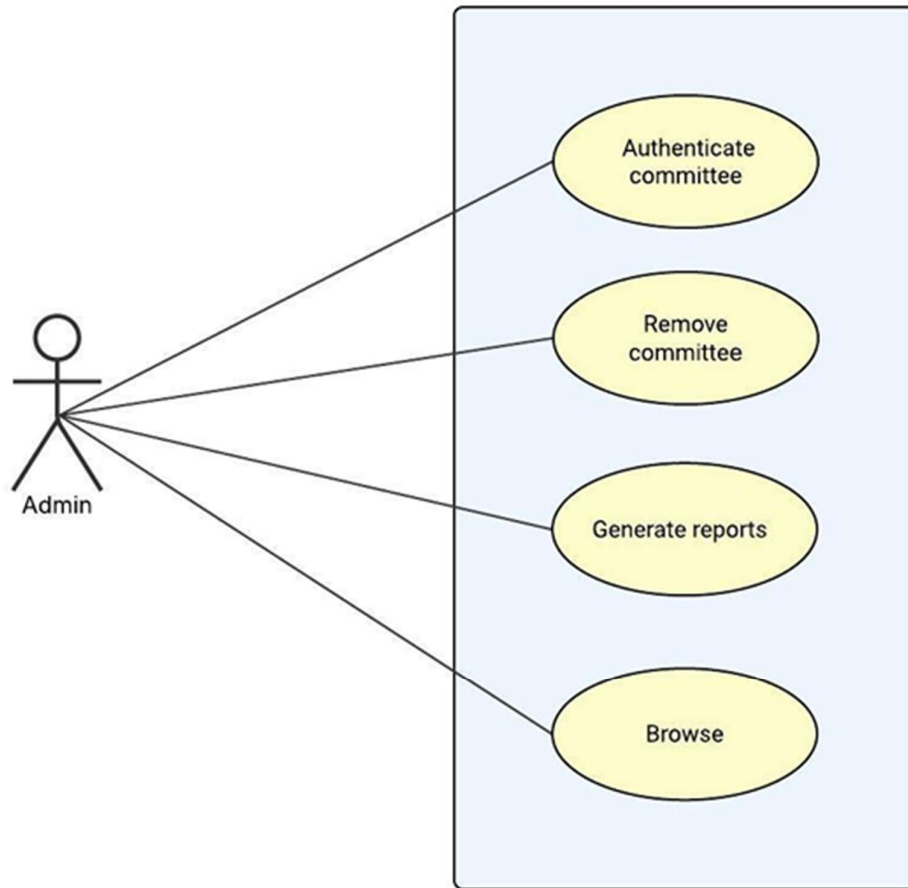


Fig. Use case diagram for Admin