

# FPT UNIVERSITY

## Capstone Project Document

### Football Pitches Booking

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## **Definitions, Acronyms, and Abbreviations**

No.	Keyword	Definition
1	B2B2C	Stand for Business to business to customer. In this system, first business is the organization that provides stadium owner to register their stadiums. The second business is stadium owner, who provides hire stadium service, and customer is the user, who want to hire field by this system.
2	FPB	Football Pitches Booking
3	ERD	Entity Relationship Diagram
4	API	Application Programmable Interface
5		

## **Report No.1: Introduction**

Initial idea of group:

Football Pitches Booking is a B2B2C (Business to Business to Customer) website that allows customers to book field online. Besides it helps the stadium owners with advertising football stadiums and managing reservation. In addition, the website enables its admin to manage customers and stadiums.

In this situation, the Website Master is the first “Business” who provides market. And the stadium owners are the second “Business” who provide service.

### **1.1. Overview of existing system:**

For customers: existing systems just provide customers with address and contact information of stadiums, then customers have to contact the stadium owners to make a reservation. They have to call each stadium owner individually to check whether the field is available or not. Moreover, the current systems do not have either functions to make statistics of customers' habits or some smart functions like offering options/suggestion to customers, which is time-consuming and inconvenient to customers.

For the stadium owners, sometimes they make mistakes in management such as duplicate reservation, which leads to bad result: they could lose their customers as well as profit. When the management is executed manually and the players want to find a friendly match, the stadium owners have to help them by calling other players to arrange a game.

For the website masters, the shortage of functions of the website is the obstacle to persuade stadium owners to pay for the services.

### **1.2. Benefit of expected system:**

Football Pitches Booking makes the reservation easier and saves time for customers. Once they have booked, they don't have to worry there will be a duplicate reservation caused by stadium owners' mistake. The website's smart functions help users to find the appropriate field by searching stadiums nearby their address, stadiums which are frequently booked, and the stadiums which are on discount. The benefits to customers are saving time, getting more information and enjoying discount of stadiums, beside that players find rivals easily if they do not have enough players to create a game.

This system helps stadium owners to manage their fields easily, reducing the implementing process of business operations, saving time and costs. The automatic system helps to prevent the risk of duplicate booking. Furthermore, stadium owners can use the website as a channel to advertise their services as well as communicate with their customers; hence, they can win more customers and gain more prestige through rating-feedback functions.

For the website master, with many smart and outstanding functions of the new system, they have more chances to increase the profit by attracting stadium owners to use this service.

## **Report No.2: Introduction**

### **2.1. Initial idea of group:**

Football Pitches Booking is a B2B2C (Business to Business to Customer) website that allows customers to book field online. Besides it helps the stadium owners with advertising football stadiums and managing reservation. In addition, the website enables its admin to manage customers and stadiums.

In this situation, the Website Master is the first “Business” who provides market. And the stadium owners are the second “Business” who provide service.

### **2.2. Overview of existing system:**

For customers: existing systems just provide customers with address and contact information of stadiums, then customers have to contact the stadium owners to make a reservation. They have to call each stadium owner individually to check whether the field is available or not. Moreover, the current systems do not have either functions to make statistics of customers' habits or some smart functions like offering options/suggestion to customers, which is time-consuming and inconvenient to customers.

For the stadium owners, sometimes they make mistakes in management such as duplicate reservation, which leads to bad result: they could lose their customers as well as profit. When the management is executed manually and the players want to find a friendly match, the stadium owners have to help them by calling other players to arrange a game.

For the website masters, the shortage of functions of the website is the obstacle to persuade stadium owners to pay for the services.

### **2.3. Benefit of expected system:**

Football Pitches Booking makes the reservation easier and saves time for customers. Once they have booked, they don't have to worry there will be a duplicate reservation caused by stadium owners' mistake. The website's smart functions help users to find the appropriate field by searching stadiums nearby their address, stadiums which are frequently booked, and the stadiums which are on discount. The benefits to customers are saving time, getting more information and enjoying discount of stadiums, beside that players find rivals easily if they do not have enough players to create a game.

This system helps stadium owners to manage their fields easily, reducing the implementing process of business operations, saving time and costs. The automatic system helps to prevent the risk of duplicate booking. Furthermore, stadium owners can use the website as a channel to advertise their services as well as communicate with their customers; hence, they can win more customers and gain more prestige through rating-feedback functions.

For the website master, with many smart and outstanding functions of the new system, they have more chances to increase the profit by attracting stadium owners to use this service.

## **Report No.3: System Requirements Specifications (SRS)**

### **3.1. User requirement specification**

Football Pitches Booking is a website that allows customers to book field online. Beside that it helps the stadium owners with advertising football stadiums and managing reservation. In addition, the website enables its admin to manage customers and stadiums. More detail, the system should have list of features below:

#### **3.1.1. Guest**

- Find and view the stadium's detail
- Find available stadium at specific date, time and duration
- Find and view rival's detail
- Register to become a member of website
- Login
- Recovery password

#### **3.1.2. Member**

- Update account profile
- Book a field
- Cancel reservation
- View booking history
- Rate stadium
- Review stadium
- Feedback website
- Join rival
- Request for stadium to join into system
- Report user

#### **3.1.3. Stadium Owner**

- Update stadium profiles
- Manage fields of stadium:
  - o Add field to stadium
  - o Update field's information
  - o View list field of stadiums
  - o View list of price tables
  - o Create price table
  - o Update price table

#### **3.1.4. Stadium Staff**

- Manage reservation of stadium:
  - o Create new reservation
  - o Edit reservation
  - o List reservations
  - o Approve reservation
  - o Decline reservation
- Manage promotion of stadium
  - o List promotions
  - o Create promotion
  - o Edit promotion

#### **3.1.5. Website Master**

- Manage stadium:
  - o List join system requests
  - o Handle join system request

- List stadiums
- Edit stadium
- Create stadium
- Manage rank
  - List ranks
  - Edit rank
  - Create rank
  - Delete rank
- Manage configuration
  - Update configuration value

### 3.1.6. Website Staff

- Manage advertising
  - List advertising
  - Create advertising
  - Edit advertising
  - Delete advertising
- Manage user
  - List users
  - Edit user
  - Punish user

### 3.1.7. System

- Suggest Stadium
- Suggest Rival

## 3.2. System requirement specification (Specific Requirements)

### 3.2.1. External Interface Requirements

#### 3.2.1.1 User Interfaces

- The interface of website is simple and friendly
- Main function with multistep should be careful note, easy to understand

#### 3.2.1.2 Hardware Interfaces

N/A

#### 3.2.1.3 System Interfaces

N/A

#### 3.2.1.4 Communications Protocol

Website using HTTP protocol for communication with the web browser and the web server

### 3.2.2. Functional Requirements



Figure 1: Use Case Summary

#### 3.2.2.1. Stadium Management

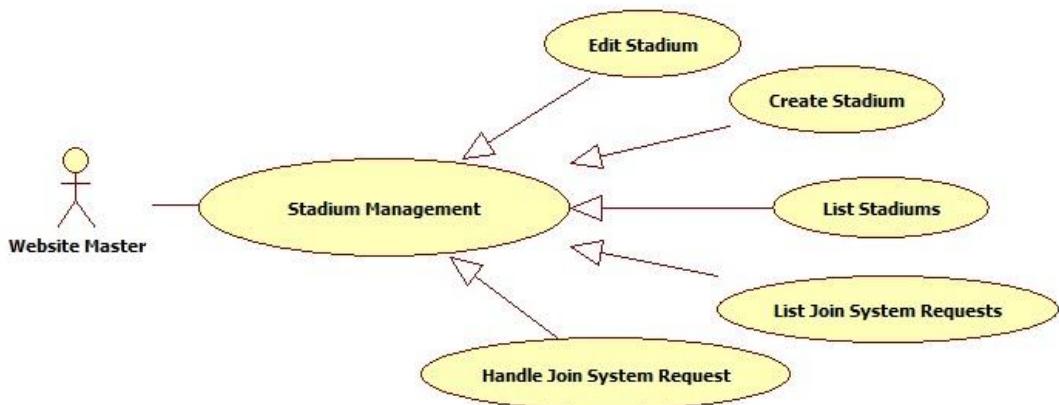


Figure 2: Stadium Management

### 3.2.2.1.1. List Stadiums

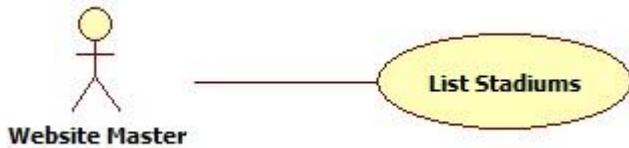


Figure 3: List Stadiums

<b>USE CASE-001 SPECIFICATION</b>			
<b>Use-case No.</b>	UC_001	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Stadium		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High
<b>Actor:</b>			
Website Master			
<b>Summary:</b>			
This use case describes how to see list of stadiums			
<b>Goal:</b>			
List all stadiums in website			
<b>Triggers:</b>			
Actor goes to “Quản lý sân bóng” page			
<b>Preconditions:</b>			
Login as Website Master			
<b>Post-conditions:</b>			

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Enter “Quản lý sân bóng” page	Display list of stadiums

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

3.2.2.1.2. Create Stadium

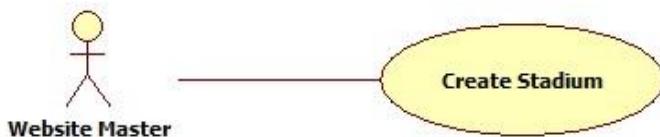


Figure 4: Create Stadium

**USE CASE-002 SPECIFICATION**

<b>Use-case No.</b>	UC_002	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Stadium		

<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Master

**Summary:**

This use case describes how to create a stadium in website

**Goal:**

Create a stadium in website

**Triggers:**

Actor clicks on “Lưu” button after enter new stadium’s information

**Preconditions:**

Login as Website Master

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click “Thêm sân bóng”	The system will respond to “Thêm sân bóng” page
2	Enter information of stadium. Click on “Lưu” button to finish	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button to cancel	System will transfer to “Quản lý sân bóng” page

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.1.3. List Join System Requests

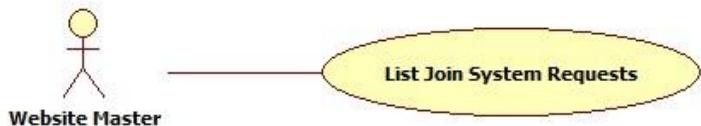


Figure 5: List Join System Requests

## USE CASE-003 SPECIFICATION

<b>Use-case No.</b>	UC_003	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Join System Request		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Master

**Summary:**

This use case describes how to view the list of join system request.

**Goal:**

view the list of join system request

**Triggers:**

Actor enters “Yêu cầu tham gia” page

**Preconditions:**

Login as Website Master

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Yêu cầu tham gia” to enter “Quản lý yêu cầu tham gia hệ thống” page	Display the list of join sysmte request

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.1.4. Handle Join System Request

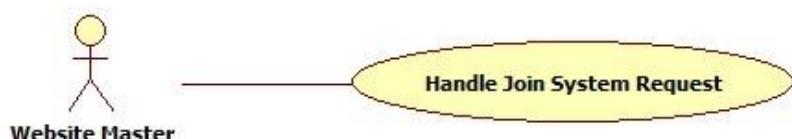


Figure 6: Handle Join System Request

## **USE CASE-004 SPECIFICATION**

<b>Use-case No.</b>	UC_004	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Handle Join System Request		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

### **Actor:**

Website Master

### **Summary:**

This use case describes how to handle join system request

### **Goal:**

Handle request to join system

### **Triggers:**

Actor clicks on “Cập nhật” button

### **Preconditions:**

Login as Website Master

### **Post-conditions:**

N/A

### **Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Chỉnh sửa” link of this request	View request's detail

2	Chose an option in “Trạng thái xử lý” combo box Click on “Cập nhật” button	Display successful message
---	--	----------------------------

### Alternative Scenario:

Actor Action	System Response
Click on “Hủy bỏ” button to cancel	Redirect to “Quản lý yêu cầu tham gia hệ thống” page

### Exceptions:

N/A

### Relationships:

N/A

### Business Rules:

N/A

### 3.2.2.2. Configuration Management

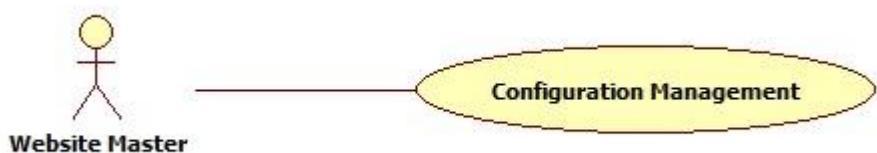


Figure 7: Configuration Management

## USE CASE-005 SPECIFICATION

<b>Use-case No.</b>	UC_005	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Configuration Management		

<b>Author</b>	GiangNHH		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Master

**Summary:**

This use case describes how change the value of priority norm for suggesting stadium or rival

**Goal:**

Edit value of configuration

**Triggers:**

Click “Lưu” button

**Preconditions:**

Login as Website Master

**Post-conditions:**

**Main Success Scenario:**

Step	Actor Action	System Response
1	Enter quản lý “Quản lý gợi ý sân bóng” page	Display charts of priority and value
2	Drag the point to change value of priority Click on “Lưu” button	Display successful message

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.3. Advertising Management

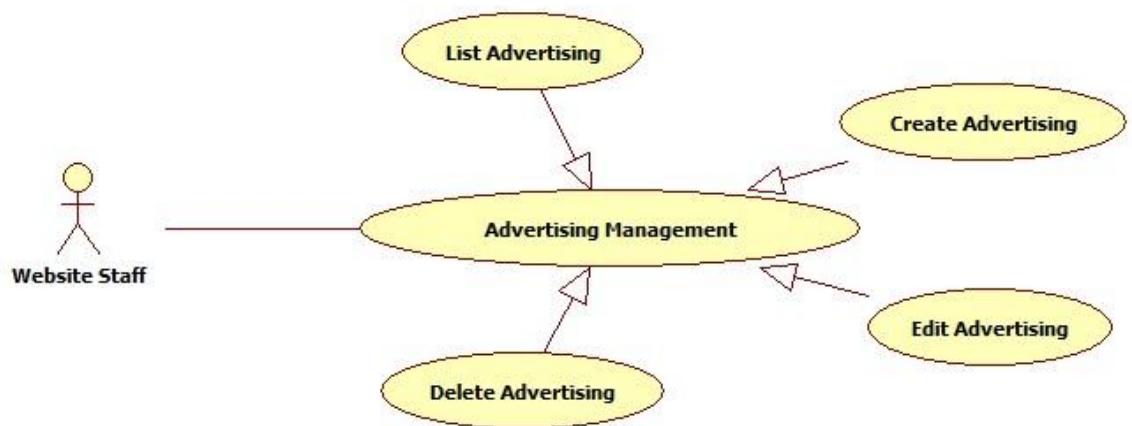


Figure 8: Advertising Management

#### 3.2.2.3.1. List Advertisings

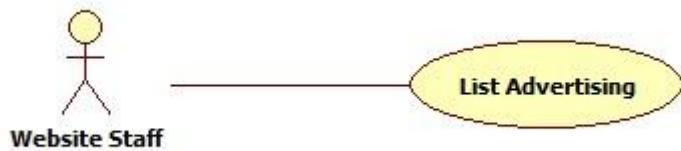


Figure 9: List Advertisings

## USE CASE-006 SPECIFICATION

<b>Use-case No.</b>	UC_006	<b>Use-case Version</b>	1.0						
<b>Use-case Name</b>	List Advertisings								
<b>Author</b>	ThịnhND								
<b>Date</b>	12/02/2014	<b>Priority</b>	High						
<b>Actor:</b>									
Website Master, Website Staff									
<b>Summary:</b>									
This use case describes how to see the list of advertisings in website									
<b>Goal:</b>									
See all advertisings									
<b>Triggers:</b>									
Actor goes to “Quảng cáo” page									
<b>Preconditions:</b>									
Login as Website Master or Website Staff									
<b>Post-conditions:</b>									
<b>Main Success Scenario:</b>									
<table border="1"> <thead> <tr> <th>Step</th><th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1</td><td></td><td>Display list of advertisings in system</td></tr> </tbody> </table>				Step	Actor Action	System Response	1		Display list of advertisings in system
Step	Actor Action	System Response							
1		Display list of advertisings in system							
<b>Alternative Scenario:</b>									
N/A									
<b>Exceptions:</b>									

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.3.2. Create Advertising

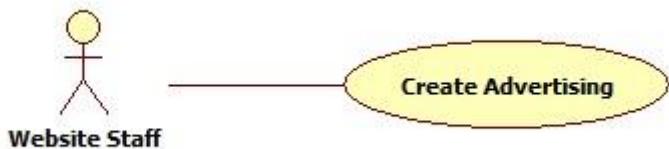


Figure 10: Create Advertising

#### USE CASE-007 SPECIFICATION

<b>Use-case No.</b>	UC_007	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Advertising		
<b>Author</b>	ThịnhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Staff, Website Master

**Summary:**

This use case describes how to create a new advertising in website

**Goal:**

Create advertising in Website

**Triggers:**

Actor clicks on “Thêm quảng cáo” button to create new advertising in website

**Preconditions:**

Login as Website Master or Website Staff

**Post-conditions:****Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Thêm quảng cáo”	The system will respond to “Thêm quảng cáo” page
2	Enter information of this advertising  Click “Lưu” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy” button to cancel	System will transfer to “Quản lý quảng cáo” page

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

#### 3.2.2.4. User Management

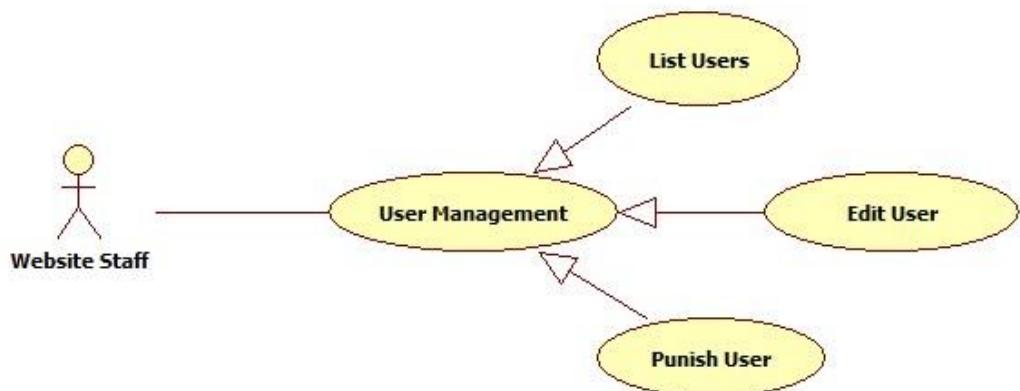


Figure 11: User Management

##### 3.2.2.4.1. List Users



Figure 12: List Users

## USE CASE-008 SPECIFICATION

<b>Use-case No.</b>	UC_008	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Users		
<b>Author</b>	KhánhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Staff, Website Master

**Summary:**

This use case describes how to see all users in website

**Goal:**

See all Users in website

**Triggers:**

Actor go to User Management page

**Preconditions:**

Login as Website Master or Website Staff

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1		Display all users in system

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.4.2. Edit User

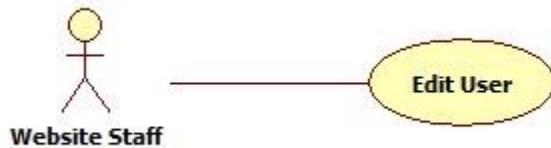


Figure 13: Edit User

## USE CASE-009 SPECIFICATION

<b>Use-case No.</b>	UC_009	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Edit User		
<b>Author</b>	KhánhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Staff, Website Master

**Summary:**

This use case describes how to edit user's information

**Goal:**

View and change user's information

**Triggers:**

Actor clicks on “Chỉnh sửa” link of the user which will be edited

**Preconditions:**

N/A

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	clicks on “Chỉnh sửa” link of the user which will be edited	The system will show the User's Information Page
2	Update information  Click on “Lưu” button to save information	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	System will transfer to “Thành viên” page

**Exceptions:**

User login as Website Staff cannot edit information of other website staff or website master.

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.4.3. Punish User

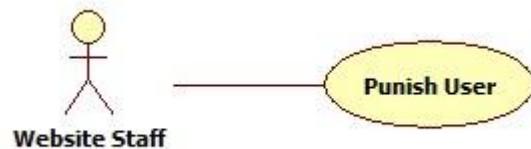


Figure 14: Punish User

### USE CASE-010 SPECIFICATION

<b>Use-case No.</b>	UC_010	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	KhánhNQ User		
<b>Author</b>	KhanhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Staff, Website Master

**Summary:**

This use case describes how to punish an user

**Goal:**

Punish an user

**Triggers:**

Actor clicks “Cập nhật” button after choosing “Cấm hoạt động” option of the “Trạng thái hoạt động” drop down list.

**Preconditions:**

Login as Website Master or Website Staff

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Chooses “Cấm hoạt động” option in the “Trạng thái hoạt động” drop down list	
2	Click “Lưu” button	Show successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button to cancel	Redirect to “Thành viên” page

**Exceptions:**

User login as Website Staff cannot deactivate the other website staff or website master.

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.5. Rank Management



Figure 15: Rank Management

#### 3.2.2.5.1. List Ranks

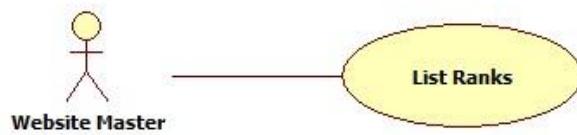


Figure 16: List Ranks

## USE CASE-011 SPECIFICATION

<b>Use-case No.</b>	UC_011	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Ranks		
<b>Author</b>	KhánhNQ		

<b>Date</b>	12/02/2014	<b>Priority</b>	High						
<b>Actor:</b>									
Website Master									
<b>Summary:</b>									
This use case describes how to view list of ranks									
<b>Goal:</b>									
List all ranks									
<b>Triggers:</b>									
Actor enter “Quản lý cấp độ thành viên” page									
<b>Preconditions:</b>									
Login as Website Master									
<b>Post-conditions:</b>									
N/A									
<b>Main Success Scenario:</b>									
<table border="1"> <thead> <tr> <th>Step</th><th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1</td><td>Enter “Quản lý cấp độ thành viên” page</td><td>Display list of all ranks</td></tr> </tbody> </table>				Step	Actor Action	System Response	1	Enter “Quản lý cấp độ thành viên” page	Display list of all ranks
Step	Actor Action	System Response							
1	Enter “Quản lý cấp độ thành viên” page	Display list of all ranks							
<b>Alternative Scenario:</b>									
N/A									
<b>Exceptions:</b>									
N/A									
<b>Relationships:</b>									
N/A									
<b>Business Rules:</b>									

N/A

### 3.2.2.5.2. Create Rank

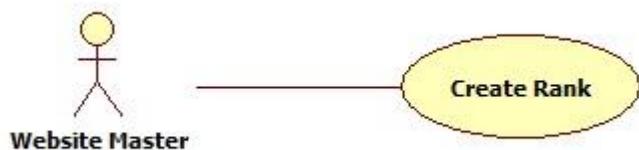


Figure 17: Create Rank

### USE CASE-012 SPECIFICATION

<b>Use-case No.</b>	UC_012	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Rank		
<b>Author</b>	KhánhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Website Master

**Summary:**

This use case describes how to edit stadium's profiles

**Goal:**

Create new rank

**Triggers:**

Actor clicks on “Lưu” button

**Preconditions:**

Login as Website Master

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Tạo cấp độ mới” link in “Quản lý cấp độ thành viên”	Display create rank form
2	Enter new rank's information Click “Cập nhật” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent action and redirect to “Quản lý cấp độ thành viên” page

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

## 3.2.2.6. Edit Stadium's Profile

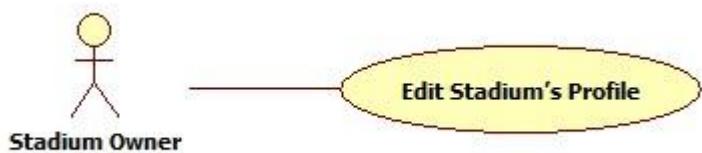


Figure 18: Edit Stadium's Profile

**USE CASE-013 SPECIFICATION**

<b>Use-case No.</b>	UC_013	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Edit Stadium's Profile		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Stadium Owner

**Summary:**

This use case describes how to edit stadium's profiles

**Goal:**

Edit information of stadium

**Triggers:**

Actor clicks on “Cập nhật” button

**Preconditions:**

Login as Stadium Owner

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Chỉnh sửa” link of the stadium which will be edited	Display Edit form with filled information
2	Enter new information of stadium Click “Cập nhật” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent action and redirect to “Quản lý sân bóng” page

**Exceptions:**

- Duplicate staff

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.7. Field Management

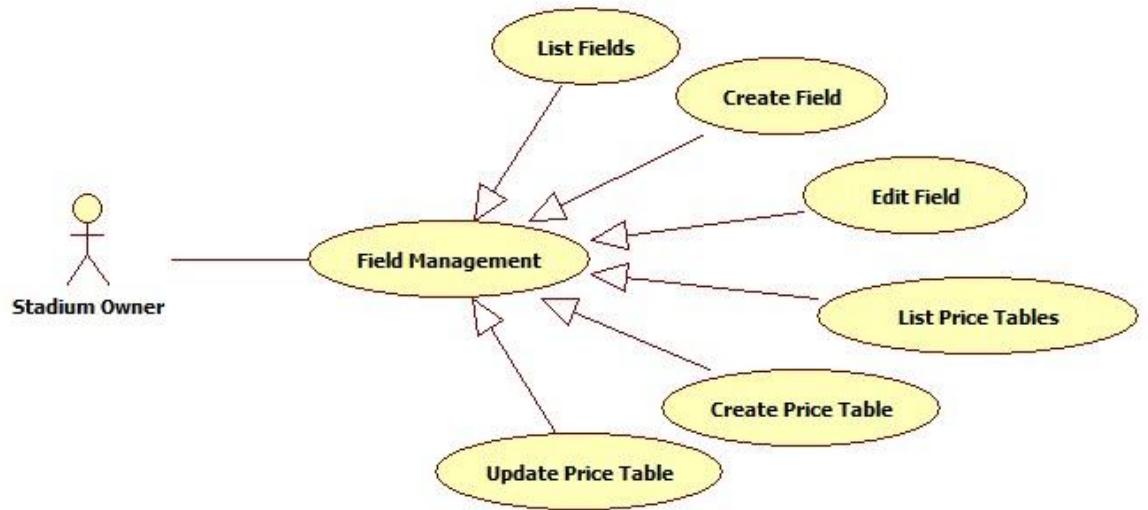


Figure 19: Field Management

#### 3.2.2.7.1. List Fields

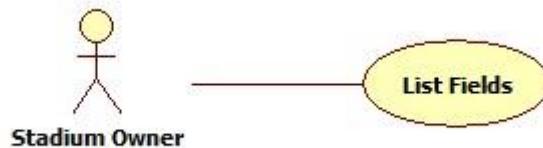


Figure 20: List Fields

USE CASE-014 SPECIFICATION			
Use-case No.	UC_014	Use-case Version	1.0
Use-case Name	List Fields		
Author	PhuongND		
Date	12/02/2014	Priority	High

**Actor:**

Stadium Owner

**Summary:**

This use case describes how to list all fields of a stadium.

**Goal:**

List all fields of stadium.

**Triggers:**

Actor clicks on “Sân con” link of the stadium

**Preconditions:**

Login as Stadium Owner

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Actor clicks on “Sân con” link of the stadium	Show all fields of this stadium

**Alternative Scenario:**

N/A

**Exceptions:**

Field has not been created by stadium owner.

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.7.2. Create Field

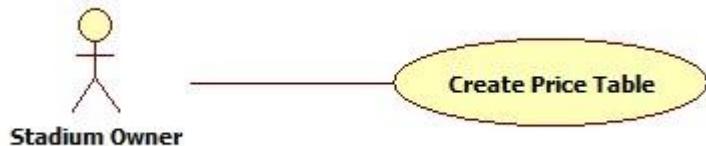


Figure 21: Create Field

## USE CASE-015 SPECIFICATION

<b>Use-case No.</b>	UC_015	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Field		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

### Actor:

Stadium Owner

### Summary:

This use case describes how to create a field of stadium.

### Goal:

Create a field

### Triggers:

Actor clicks on “Lưu” button

**Preconditions:**

Login as Stadium Owner role

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Thêm sân con” button in the “Quản lý sân con” page	Display Create field form
2	Enter information of this field  Click on “Lưu” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent activity and redirect to “Quản lý sân con” page

**Exceptions:**

- The field price has not been created.
- The parent field cannot contain more field

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.7.3. List Price Tables

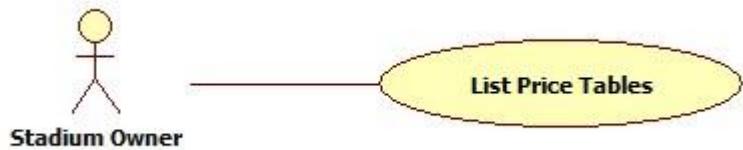


Figure 22: List Price Tables

USE CASE-016 SPECIFICATION			
<b>Use-case No.</b>	UC_016	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Price Tables		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High
<b>Actor:</b>			
Stadium Owner			
<b>Summary:</b>			
This use case describes how view all price tables			
<b>Goal:</b>			
View list price tables			
<b>Triggers:</b>			
Actor clicks on “Bảng giá” button of the stadium			
<b>Preconditions:</b>			
Login as Stadium Owner role			
<b>Post-conditions:</b>			

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Bảng giá” link in of the stadium which will be showed	Display price table list

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.7.4. Create Price Table

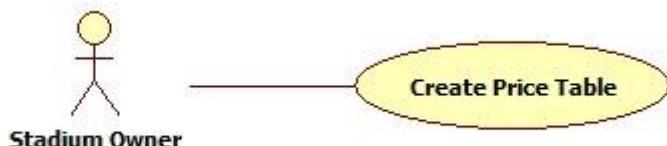


Figure 23: Create Price Table

### USE CASE-017 SPECIFICATION

<b>Use-case No.</b>	UC_017	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Field Price		

<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Stadium Owner

**Summary:**

This use case describes how to create price table

**Goal:**

Create a price table

**Triggers:**

Actor clicks on “Lưu” button

**Preconditions:**

Login as Stadium Owner role

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Lưu” button in the “Quản lý bảng giá” page	Display create price table form
2	Enter information of this price table Click on “Thêm bảng giá” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent activity and redirect to “Quản lý bảng giá” page

**Exceptions:**

- Invalid price table

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.8. Reservations Management

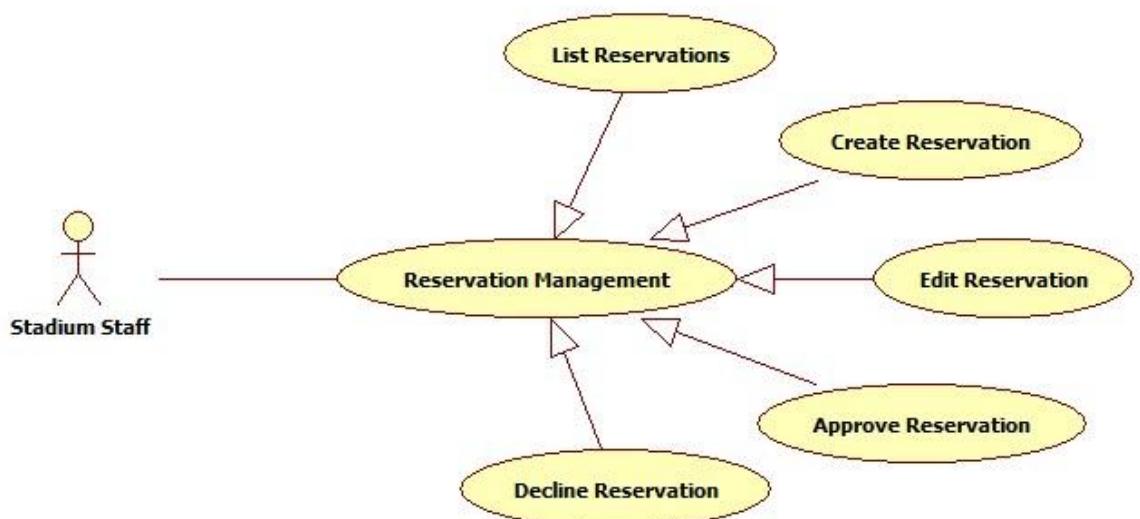


Figure 24: Reservation Management

#### 3.2.2.8.1. List Reservations

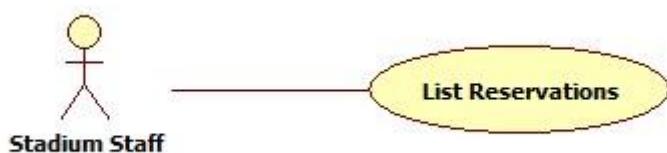


Figure 25: List Reservations

## USE CASE-018 SPECIFICATION

<b>Use-case No.</b>	UC_018	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Reservations		
<b>Author</b>	ThinhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Stadium Staff, Stadium Owner

**Summary:**

This use case describes how to list all reservations.

**Goal:**

List all reservations.

**Triggers:**

Actor goes to “Quản lý đặt sân” page

**Preconditions:**

Login as Stadium Staff or Stadium Owner role

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on stadium link in “Quản lý đặt sân” page	The system shows the list of reservations of this stadium

**Alternative Scenario:**

N/A

**Exceptions:**

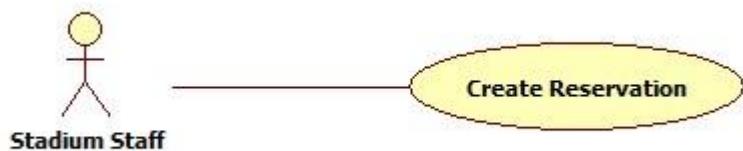
N/A

**Relationships:**

N/A

**Business Rules:**

N/A

**3.2.2.8.2. Create Reservation****Figure 26: Create Reservation****USE CASE-019 SPECIFICATION**

<b>Use-case No.</b>	UC_019	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Reservation		
<b>Author</b>	ThinhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Stadium Staff, Stadium Owner

**Summary:**

This use case describes how to create a reservation

**Goal:**

Create a reservation.

**Triggers:**

Click on “Lưu” button in “Thêm đơn đặt sân” page

**Preconditions:**

Login as Stadium Staff or Stadium Owner role

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Thêm đơn đặt sân” button	Display Book form
2	Enter information of reservation  Click on “Lưu” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent action and redirect to “Quản lý đặt sân” page

**Exceptions:**

This field is not available such as existing reservation, duplicate booking time, etc.

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.8.3. Approve Reservation

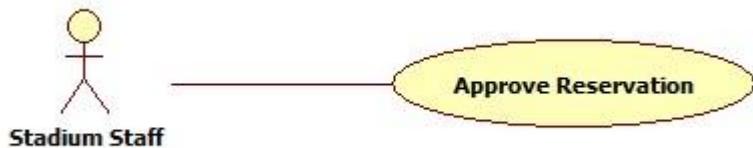


Figure 27: Approve Reservation

USE CASE-020 SPECIFICATION			
<b>Use-case No.</b>	UC_020	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Approve Reservation		
<b>Author</b>	ThinhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High
<b>Actor:</b>			
Stadium Staff, Stadium Owner			
<b>Summary:</b>			
This use case describes how to approve a reservation			
<b>Goal:</b>			
Approve a reservation			
<b>Triggers:</b>			
Click on “Lưu” button			
<b>Preconditions:</b>			
Login as Stadium Staff or Stadium Owner role			
<b>Post-conditions:</b>			

N/A

#### Main Success Scenario:

Step	Actor Action	System Response
1	Click on “Chỉnh sửa” link of this reservation	Display this Reservation’s detail
2	Click on “Lưu” button	Display successful message

#### Alternative Scenario:

Actor Action	System Response
Click on “Quay lại” button	Discard all recent action and redirect to “Quản lý đặt sân” page

#### Exceptions:

N/A

#### Relationships:

N/A

#### Business Rules:

N/A

#### 3.2.2.9. Stadium Promotion Management



Figure 28: Stadium Promotion Management

### 3.2.2.9.1. List Promotions

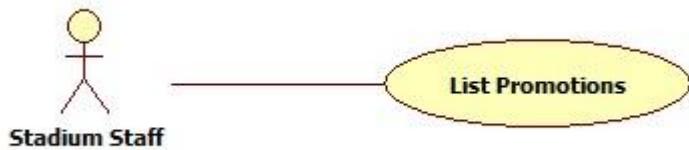


Figure 29: List Promotions

USE CASE-021 SPECIFICATION			
<b>Use-case No.</b>	UC_021	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	List Promotions		
<b>Author</b>	ThinhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High
<b>Actor:</b>			
Stadium Staff, Stadium Owner			
<b>Summary:</b>			
This use case describe how to list all the promotion of stadium			
<b>Goal:</b>			
List all promotions of a stadium			
<b>Triggers:</b>			
Actor clicks on stadium of “Quản lý khuyến mãi” page			
<b>Preconditions:</b>			
Login as Stadium Staff or Stadium Owner role			
<b>Post-conditions:</b>			

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Actor clicks on stadium of “Quản lý khuyến mãi” page	The system shows list of promotion.

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

3.2.2.9.2. Create Promotion

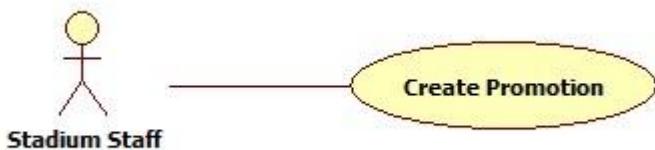


Figure 30: Create Promotion

**USE CASE-022 SPECIFICATION**

<b>Use-case No.</b>	UC_022	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Create Promotion		

<b>Author</b>	ThinhND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Stadium Staff, Stadium Owner

**Summary:**

This use case describes creating new promotion.

**Goal:**

Create a promotion for stadium.

**Triggers:**

Click on “Lưu” button

**Preconditions:**

Login as Stadium Staff or Stadium Owner role

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Thêm khuyến mãi” of this stadium	Display create promotion form
2	Enter information of this promotion Click “Lưu” button	Show successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Hủy bỏ” button	Discard all recent action and redirect to “Quản lý khuyến mãi” page

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.10. Find Available Stadiums



Figure 31: Find Available Stadium

## USE CASE-023 SPECIFICATION

<b>Use-case No.</b>	UC_023	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Find Available Stadium		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Guest, Member, Stadium Staff, Stadium Owner, Website Staff, Website Master

**Summary:**

This use case describes how to find an available stadium with some conditions

**Goal:**

Find available stadium

**Triggers:**

Actor clicks on “Tìm kiếm” button

**Preconditions:**

N/A

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Choose condition information  Click on “Tìm kiếm” button	Show list of stadiums

**Alternative Scenario:**

N/A

**Exceptions:**

There is no available stadium for those condition

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.11. Book Field

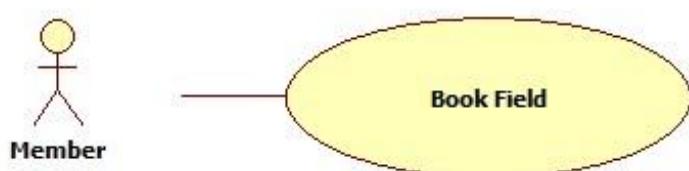


Figure 32: Book Field

## **USE CASE-024 SPECIFICATION**

<b>Use-case No.</b>	UC_024	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Book Field		
<b>Author</b>	PhuongND		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

### **Actor:**

Member, Stadium Staff, Stadium Owner, Website Staff, Website Master

### **Summary:**

This use case describes how to book a field

### **Goal:**

Book a field of stadium

### **Triggers:**

Actor clicks “Lưu” button

### **Preconditions:**

Login as Member, Stadium Staff, Stadium Owner, Website Staff or Website Master

### **Post-conditions:**

N/A

### **Main Success Scenario:**

Step	Actor Action	System Response

1	Click on “Đặt sân” button of stadium detail page or “Đặt” button after find stadium	Display reservation form
2	Enter information of reservation Click “Lưu” button	Display successful message

### Alternative Scenario:

Actor Action	System Response
There's is no available field	Display message
Click on “Hủy bỏ” button	Discard all recent action and redirect to Home page

### Exceptions:

This field is not available such as existing reservation, duplicate booking time, etc.

### Relationships:

N/A

### Business Rules:

N/A

#### 3.2.2.12. Find Rival

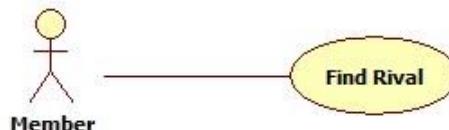


Figure 33: Find Rival

### USE CASE-025 SPECIFICATION

<b>Use-case No.</b>	UC_025	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Find Rival		
<b>Author</b>	KhánhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Guest, Member, Stadium Staff, Stadium Owner, Website Staff, Website Master

**Summary:**

This use case describes how to find a rival

**Goal:**

Find rival

**Triggers:**

Actor clicks on “Tìm kiếm” button

**Preconditions:**

N/A

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Go to “Tìm kèo” page	Show list of all rivals
2	Enter searching information Click on “Tìm kiếm” button	Show result

**Alternative Scenario:**

N/A

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

3.2.2.13. Join Rival

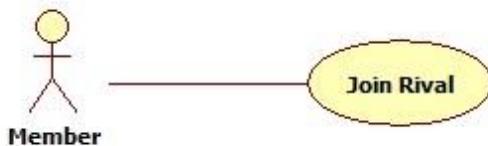


Figure 34: Join Rival

**USE CASE-026 SPECIFICATION**

<b>Use-case No.</b>	UC_026	<b>Use-case Version</b>	1.0
<b>Use-case Name</b>	Join Rival		
<b>Author</b>	KhánhNQ		
<b>Date</b>	12/02/2014	<b>Priority</b>	High

**Actor:**

Member, Stadium Staff, Stadium Owner, Website Staff, Website Master

**Summary:**

This use case describes how to join a rival

**Goal:**

Join a rival

**Triggers:**

Actor clicks on “Cáp kèo” button

**Preconditions:**

Login as user

**Post-conditions:**

N/A

**Main Success Scenario:**

Step	Actor Action	System Response
1	Click on “Chi tiết” link of this rival	Display rival’s detail
2	Choose “Có” in “Bạn muốn cáp kèo này” combo box Enter additional information Click “Cáp kèo” button	Display successful message

**Alternative Scenario:**

Actor Action	System Response
Click on “Quay lại” button	Redirect to Home page

**Exceptions:**

N/A

**Relationships:**

N/A

**Business Rules:**

N/A

### 3.2.2.14. Reference Use Cases:

The following use cases are reference to: [CD\reports\Report3.docx](#)

- Edit Stadium
- Edit Advertising
- Edit Rank
- Delete Rank
- Edit Field
- Update Price Table
- Edit Reservation
- Decline Reservation
- Edit Promotion
- Login/Logout
- Find Stadiums
- Rivew Stadium
- Feedback Website
- Change Password
- View Rival's Detail
- View Stadium Booking History
- Register
- Password Recovery
- View Stadium's Detail:
- Rate Stadium
- Cancel Reservation
- Edit Account Profile
- Request Join System

## 3.2.3. Non-Functional Requirements

### 3.2.3.1. Reliability

- Mean Time Between Failures (MTBF): The acceptable failure is once a year
- Mean Time To Repair (MTTR): The acceptable mean time for a particular failure must be least than 12 hours
- Maximum Bugs or Defect Rate: 05 bugs / KLOC

### 3.2.3.2. Availability

- The system always responds to every user who got permission. The server shall be working 24/7.

### 3.2.3.3. Security

- Customer information must be secured
- The system always check authenticate and permission for every function

### 3.2.3.4. Maintainability

N/A

### 3.2.3.5. Portability

N/A

### 3.2.3.6. Performance

N/A

### 3.2.4. Entity Relationship Diagram

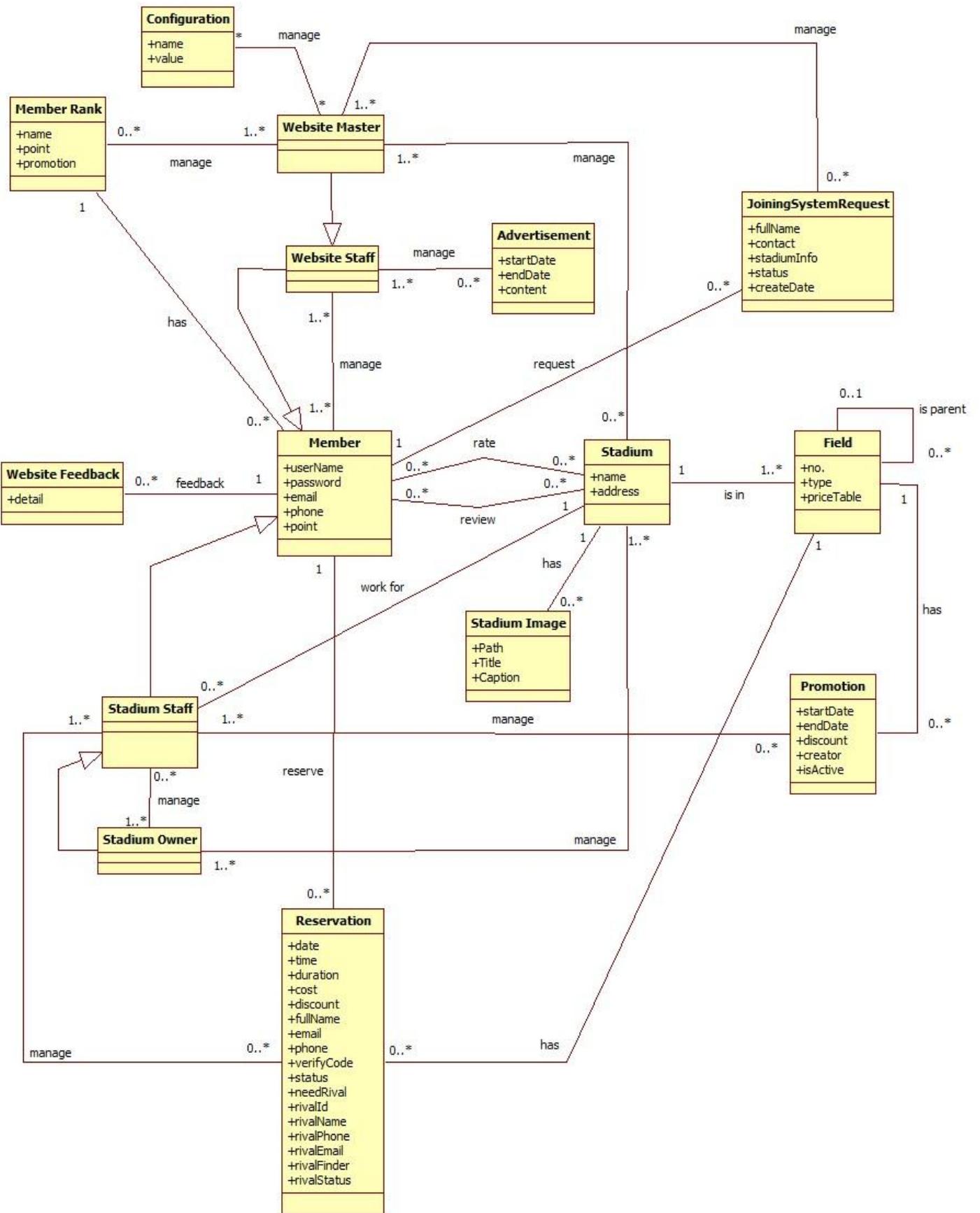


Figure 35: Entity Relationship Diagram

## **Report No.4: System Design Description (SDD)**

### **4.1. Design Overview**

- This document describes the technical and UI design of the FPB system. It includes the architectural design and the detailed design of common functions and business functions. It also includes the design of database model.
- The architectural design describes the overall architecture of the system, and the architecture of each main component and subsystem. It will describe the patterns being used, the role of each component and the role of the system in the working environment.
- The detailed design describes static and dynamic structure for each component and function. It includes class diagrams, class explanations, and sequence diagrams of the main use cases. The detailed design uses notations of .NET framework 4.0 and C#, as they are the framework and language for developing this system.
- The database design describes the relationship between entities, and details of each entity. It uses notations of SQL Server 2008 R2 as it is the database server for developing the system.
- The user interface design describes the layout of the system, and some design for the screens

## 4.2. System Architectural Design

### 4.2.1. Choice of System Architecture

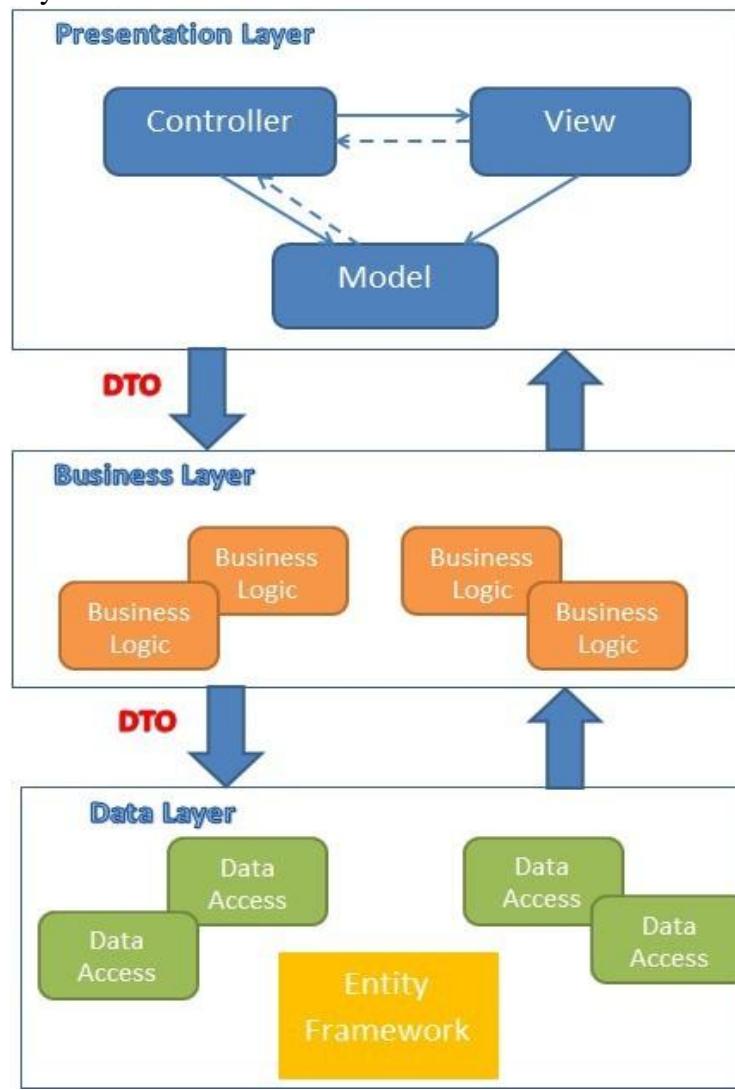


Figure 36: MVC implemented in a three-layer architecture

The above diagram is explained as the following:

**Model:** Used to prepare data for view

**View:** The view displays the data and also takes input from user. It renders the model data into a form, such as graphics, buttons, and tables, and so on to display to the user.

**Controller:** The controller handles all requests coming from the view or user interface. The data flows to whole application are controlled by controller.

**Business Logic:** This layer coordinates the application, processes commands, makes logical decisions and evaluations, and performs calculations. It also moves and processes data between the two surrounding layers.

**Data Access:** Here information is stored and retrieved from a database or file system. The information is then passed back to the logic tier for processing, and then eventually back to the user.

### 4.2.2. Discussion of Alternative Designs

N/A

### 4.2.3. Description of System Interface

N/A

### 4.3. Component Diagram

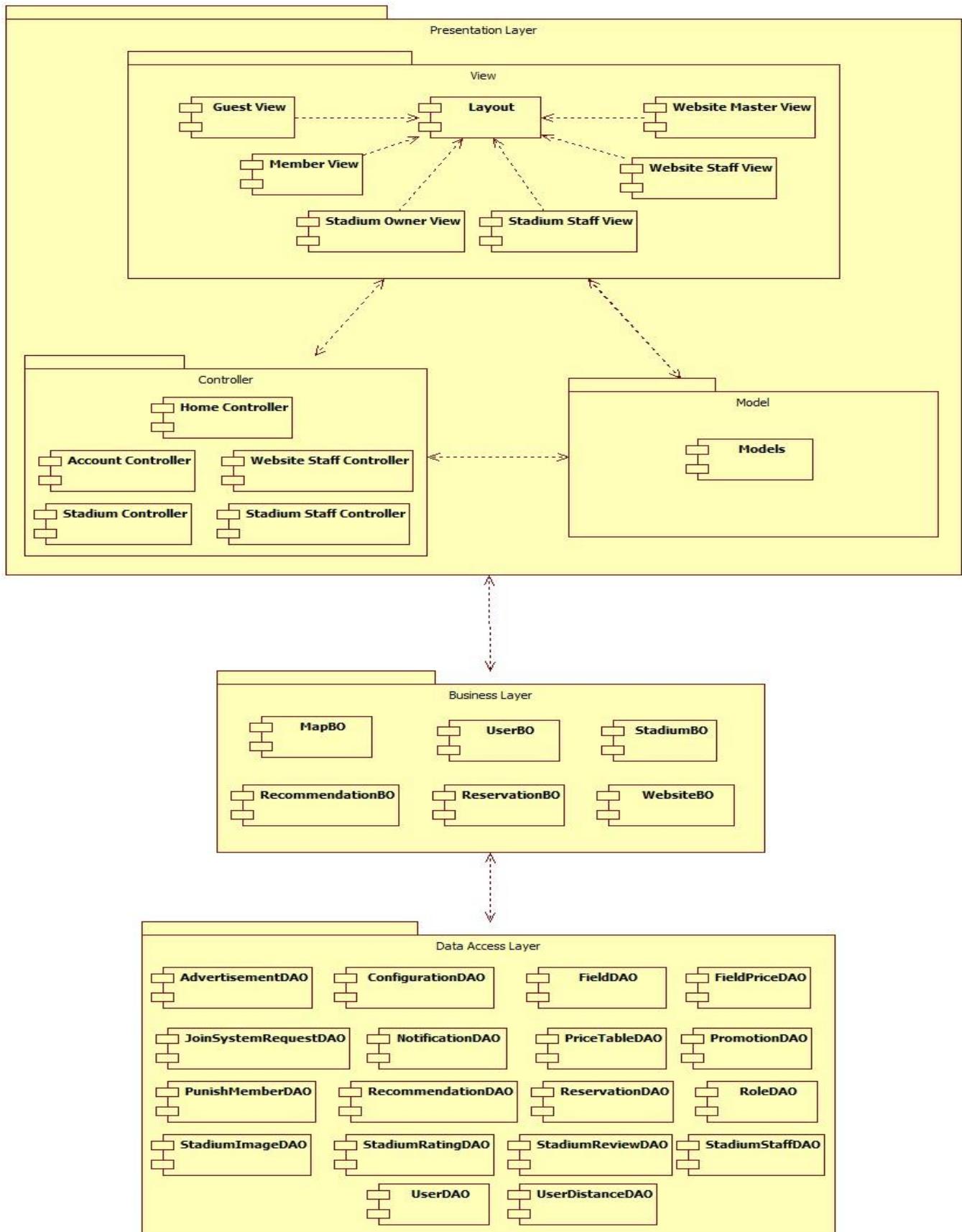


Figure 37: Component Diagram

## 4.4. Detailed Description of Components

### 4.4.1. Class Diagram

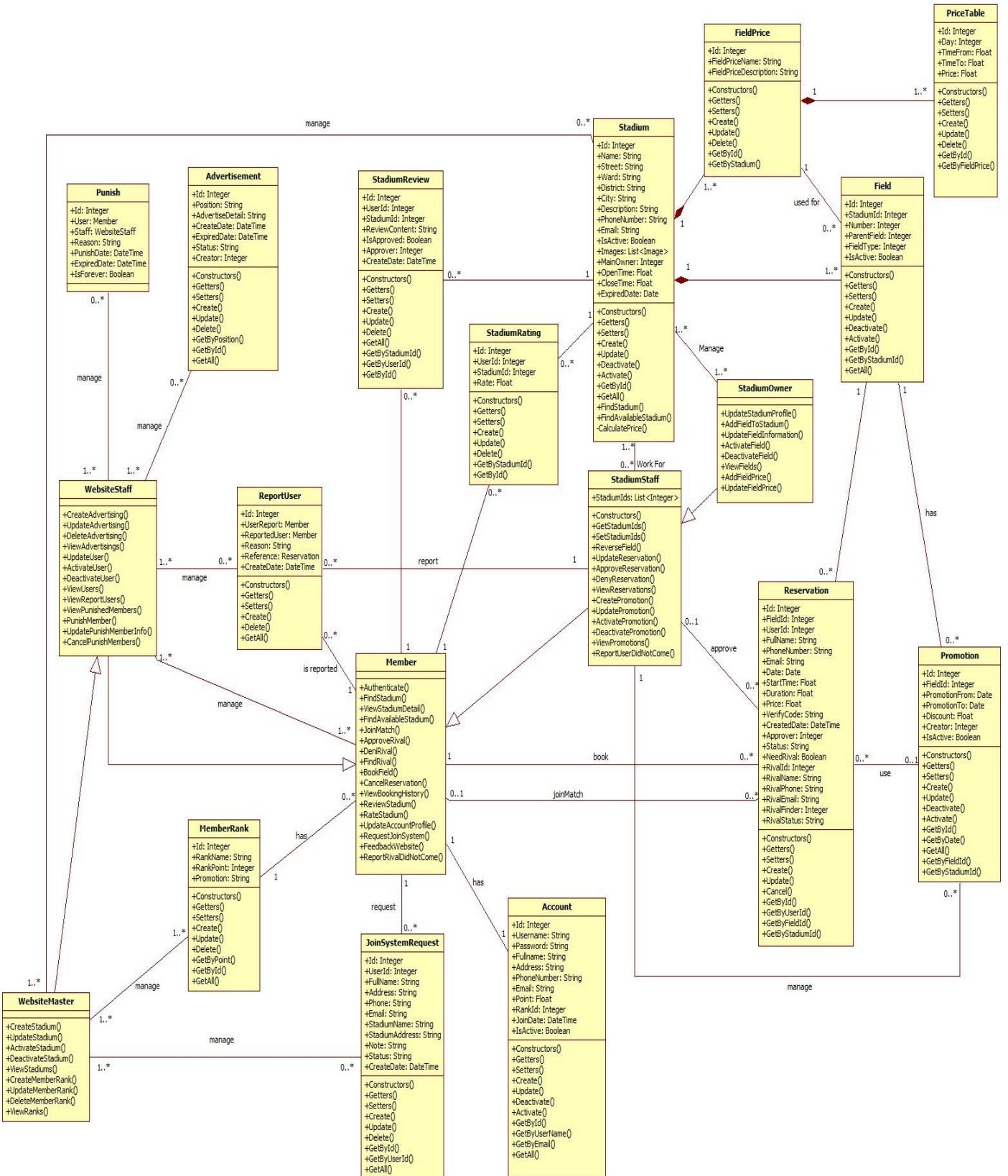


Figure 38: General Class Diagram

#### 4.4.2. Class Diagram Explanation

##### 4.4.2.1. Role

- **Attributes**

Name	Type	Description
Id	Integer	Id of Role
Role	String	Role
DisplayName	String	Display name of Role

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	Account	Initialize a role with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Role	Integer	Create a role and save it to database
Update	- Role	Integer	Update information of an existing role in database

##### 4.4.2.2. Account

- **Attributes**

Name	Type	Description
Id	Integer	Id of an user in system
Username	String	Name of account, it is unique in system
Password	String	Password of account
FullName	String	Full name of user
Address	String	Address of user
PhoneNumber	String	Phone number of user
Email	String	Email of user
Point	Float	Point of user, it is used to calculate rank of account
RankId	Integer	Rank of account
JoinDate	Date	The date when user join this system
IsActive	Boolean	Is this account active
Role	Integer	Id of role

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	Account	Initialize an account with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute

Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Account	Integer	Create an account and save it to database
Update	- Password - FullName - Address - PhoneNumber - Email - Point - RankId - Role	Integer	Update information of an existing account in database
Deactivate	N/A	Integer	De-active an account
Activate	N/A	Integer	Activate an account
GetById	- Id	Account	Get an account instance by Id of account from database
GetByUsername	- UserName	Account	Get an account instance by UserName of account from database
GetByEmail	- Email	Account	Get an account instance by Email of account from database
GetAll	N/A	List<Account>	Get all account from database

#### 4.4.2.3. Stadium

##### - Attributes

Name	Type	Description
Id	Integer	Id of stadium
Name	String	Name of stadium
Street	String	Name of street that stadium located
Ward	String	Name of ward that stadium located
District	String	Name of district that stadium located
City	String	Name of city or province that stadium located
Description	String	Description of stadium
PhoneNumber	String	Phone number of stadium
Email	String	Email of stadium
IsActive	Boolean	Is the stadium active
MainOwner	Integer	Main owner of stadium
OpenTime	Float	Open time of stadium
CloseTime	Float	Close time of stadium
ExpiredDate	Date	Expired date of stadium

##### - Methods

Name	Parameter	Return Type	Description
------	-----------	-------------	-------------

Constructors	Optional	Stadium	Initialize an Stadium with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Stadium	Integer	Create a stadium and save it to database
Update	<ul style="list-style-type: none"> <li>- Name</li> <li>- Street</li> <li>- Ward</li> <li>- District</li> <li>- City</li> <li>- Description</li> <li>- PhoneNumber</li> <li>- Email</li> <li>- MainOwner</li> <li>- OpenTime</li> <li>- CloseTime</li> <li>- ExpiredDate</li> </ul>	Integer	Update information of an existing stadium in database
Deactivate	N/A	Integer	De-active a stadium
Activate	N/A	Integer	Activate a stadium
GetById	<ul style="list-style-type: none"> <li>- Id</li> </ul>	Stadium	Get an stadium instance by Id of stadium from database
GetAll	N/A	List<Stadium>	Get all account from database
FindStadium	<ul style="list-style-type: none"> <li>- Name</li> <li>- Address</li> <li>- FieldType</li> </ul>	List<Stadium>	Get all stadiums correspond with filter
FindAvailable Stadium	<ul style="list-style-type: none"> <li>- Address</li> <li>- FieldType</li> <li>- Date</li> <li>- StartTime</li> <li>- Duration</li> </ul>	List<Stadium>	Get all stadiums those are available with request date, time, location

#### 4.4.2.4. Field

##### - Attributes

Name	Type	Description
Id	Integer	Id of field
StadiumId	Integer	Id of stadium that contain this field
Number	Integer	Number of field in stadium
ParentField	Integer	Id of another field that contain this field
FieldType	Integer	Type of field
IsActive	Boolean	Is this field active
PriceId	Integer	Id of price that is applied for this field

- **Methods**

<b>Name</b>	<b>Parameter</b>	<b>Return Type</b>	<b>Description</b>
Constructors	Optional	Field	Initialize an Field with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Field	Integer	Create a field and save it to database
Update	<ul style="list-style-type: none"> <li>- Name</li> <li>- Street</li> <li>- Ward</li> <li>- District</li> <li>- City</li> <li>- Description</li> <li>- PhoneNumber</li> <li>- Email</li> </ul>	Integer	Update information of an existing field in database
Deactivate	N/A	Integer	De-active a field
Activate	N/A	Integer	Activate a field
GetById	<ul style="list-style-type: none"> <li>- Id</li> </ul>	Field	Get a field instance by Id of field from database
GetByStadiumId	<ul style="list-style-type: none"> <li>- StadiumId</li> </ul>	List<Field>	Get all field of the stadium that has corresponding id
GetAll	N/A	List<Field>	Get all field from database

#### 4.4.2.5. FieldPrice

- **Attributes**

<b>Name</b>	<b>Type</b>	<b>Description</b>
Id	Integer	Id of field price
StadiumId	Integer	Id of stadium that has this price
FieldPriceName	String	Name of this price
FieldPriceDescription	String	Description of this price

- **Methods**

<b>Name</b>	<b>Parameter</b>	<b>Return Type</b>	<b>Description</b>
Constructors	Optional	FieldPrice	Initialize an FieldPrice with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute

Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class FieldPrice	Integer	Create a price of field and save it to database
Update	<ul style="list-style-type: none"> <li>- FieldId</li> <li>- TimeFrom</li> <li>- TimeTo</li> <li>- Price</li> <li>- Day</li> </ul>	Integer	Update information of an existing field price in database
Delete	- Id	Integer	Delete a field price
GetById	- Id	FieldPrice	Get a field price instance by Id of field price from database
GetByDayTime	<ul style="list-style-type: none"> <li>- Day</li> <li>- StartTime</li> </ul>	FieldPrice	Get Field Price for Day, StartTime
GetAll	N/A	List<FieldPrice>	Get all field price from database
GetByFieldId	- FieldId	List<FieldPrice>	Get All FieldPrice of a field

#### 4.4.2.6. PriceTable

- **Attributes**

Name	Type	Description
Id	Integer	Id of price table
FieldPriceId	Integer	Id of field price that use this price table
Day	Date	Date when this price is applied
TimeFrom	Float	This price is applied from this time
TimeTo	Float	This price is applied to this time
Price	Float	Price of this price table

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	PriceTable	Initialize an price table with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class PriceTable	Integer	Create a price table and save it to database
Update	<ul style="list-style-type: none"> <li>- FieldPriceId</li> <li>- Date</li> <li>- TimeFrom</li> <li>- TimeTo</li> </ul>	Integer	Update information of an existing price table in database

	- Price		
Delete	- Id	Integer	Delete a price table
GetById	- Id	PriceTable	Get a price table instance by Id from database
GetByFieldPriceId	- FieldPriceId	List<PriceTable>	Get all price table of a field price

#### 4.4.2.7. ReportUser

- **Attributes**

Name	Type	Description
Id	Integer	Id of report
UserReport	Integer	Id of user who created report
ReportedUser	Integer	Id of user who is reported
Reason	String	Reason of report
Reference	Integer	Reference of report
CreateDate	DateTime	Date when report is created

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	Promotion	Initialize an Promotion with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Promotion	Integer	Create a promotion and save it to database
Update	- FieldId - PromotionFrom - PromotionTo - Discount - Creator	Integer	Update information of an existing promotion in database
Delete	- Id	Integer	Delete a promotion
GetById	- Id	Promotion	Get a Promotion instance by Id from database
GetByDate	- Date	List<Promotion>	Get all Promotion for date
GetAll	N/A	List<Promotion>	Get all Promotion from database
GetByFieldId	- FieldId	List<Promotion>	Get all Promotion of a field
GetByStadiumId	- StadiumId	List<Promotion>	Get all Promotion of a stadium

#### 4.4.2.8. Punish

- **Attributes**

Name	Type	Description
Id	Integer	Id of punish
User	Integer	Id of user who was punished
Staff	Integer	Id of staff who punish user
Reason	String	Reason of this punish
PunishDate	DateTime	Date when staff punish user
ExpiredDate	DateTime	Date when this punish expired
IsForever	Boolean	Is this punish is forever

#### 4.4.2.9. Promotion

- **Attributes**

Name	Type	Description
Id	Integer	Id of promotion
FieldId	Integer	Id of field that use this promotion
PromotionFrom	Date	Start date that use this promotion
PromotionTo	Date	Expired date of this promotion
Discount	Float	Discount amount of this promotion
Creator	Integer	Id of staff that create this promotion
IsActive	Boolean	Is this promotion active

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	Promotion	Initialize an Promotion with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Promotion	Integer	Create a promotion and save it to database
Update	<ul style="list-style-type: none"> <li>- FieldId</li> <li>- PromotionFrom</li> <li>- PromotionTo</li> <li>- Discount</li> <li>- Creator</li> </ul>	Integer	Update information of an existing promotion in database
Delete	- Id	Integer	Delete a promotion
GetById	- Id	Promotion	Get a Promotion instance by Id from database
GetByDate	- Date	List<Promotion>	Get all Promotion for date
GetAll	N/A	List<Promotion>	Get all Promotion from database

GetByFieldId	- FieldId	List<Promotion>	Get all Promotion of a field
GetByStadiumId	- StadiumId	List<Promotion>	Get all Promotion of a stadium

#### 4.4.2.10. StadiumReview

- **Attributes**

Name	Type	Description
Id	Integer	Id of review
UserId	Integer	Id of user create this review
StadiumId	Integer	Id of stadium being reviewed
ReviewContent	Float	Content of this review
IsApproved	Float	Is this review approved
Approver	Integer	Id of stadium staff approve this review
CreateDate	DateTime	The date that this review is created

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	StadiumReview	Initialize an StadiumReview with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class StadiumReview	Integer	Create a review of stadium and save it to database
Update	- ReviewContent - IsApproved - TimeTo	Integer	Update information of an existing review in database
Delete	- Id	Integer	Delete a Review
GetById	- Id	StadiumReview	Get a review by Id of StadiumReview from database
GetByUserId	- UserId	List<Stadium Review>	Get all review of an user
GetAll	N/A	List<Stadium Review>	Get all review from database
GetByStadiumId	- StadiumId	List<Stadium Review>	Get all review of a stadium

#### 4.4.2.11. StadiumRating

- **Attributes**

Name	Type	Description
Id	Integer	Id of review
UserId	Integer	Id of user create this rate

StadiumId	Integer	Id of stadium being rated
Rate	Float	Rate

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	StadiumRating	Initialize an StadiumRating with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class StadiumRating	Integer	Create a rate of stadium and save it to database
Update	- Rate	Integer	Update rate of an existing rate in database
Delete	- Id	Integer	Delete a Rate
GetById	- Id	StadiumRating	Get a review by Id of StadiumRating from database
GetByStadiumId	- StadiumId	List<Stadium Rating>	Get all rate of a stadium

#### 4.4.2.12. Reservation

- **Attributes**

Name	Type	Description
Id	Integer	Id of Reservation
FieldId	Integer	Id of field that user book
UserId	Integer	Id of user create reservation
FullName	String	Name of person who book the field (booker)
PhoneNumber	String	Phone number of booker
Email	String	Email of booker
Date	Date	Date which booker want to reverse
StartTime	Float	Start time which booker want to start using
Duration	Float	How long booker want to using
Price	Float	Price of this reservation
VerifyCode	String	Verify code of this reservation, booker use this to trade with stadium manager for their approval
CreateDate	DateTime	The time this reservation is created
Approver	Integer	Id of stadium manager who approve this reservation

Status	String	Status of reservation
HasRival	Boolean	False if booker want to get a help for finding a rival True if booker has a rival
RivalId	Integer	Id of an user who join as rival of booker (rival)
RivalName	String	Name of rival
RivalPhone	String	Phone number of rival
RivalEmail	String	Email of rival
RivalFinder	Integer	Id of user who found rival for this reservation It can be Id of booker or stadium manager
RivalStatus	String	Status of rival

### Methods

Name	Parameter	Return Type	Description
Constructors	Optional	Reservation	Initialize an Reservation with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Reservation	Integer	Create a reservation and save it to database
Update	<ul style="list-style-type: none"> <li>- FieldId</li> <li>- FullName</li> <li>- PhoneNumber</li> <li>- Email</li> <li>- Date</li> <li>- StartTime</li> <li>- Duration</li> <li>- Price</li> <li>- CreateDate</li> <li>- Approver</li> <li>- Status</li> <li>- HasRival</li> <li>- RivalId</li> <li>- RivalName</li> <li>- RivalPhone</li> <li>- RivalEmail</li> <li>- RivalFinder</li> <li>- RivalStatus</li> </ul>	Integer	Update reservation information of an existing reservation in database
Cancel	<ul style="list-style-type: none"> <li>- Id</li> </ul>	Integer	Cancel a Reservation

GetById	- Id	Reservation	Get a reservation by Id from database
GetByUserId	- UserId	List<Reservation>	Get all reservation of an user
GetByFieldId	- FieldId	List<Reservation>	Get all reservation of a field
GetByStadiumId	- StadiumId	List<Reservation>	Get all reservation of a stadium

#### 4.4.2.13. JoinSystemRequest

- **Attributes**

Name	Type	Description
Id	Integer	Id of review
UserId	Integer	Id of user submit request (requester)
FullName	String	Full name of requester
Address	String	Address of requester
Phone	String	Phone of requester
Email	String	Email of requester
StadiumName	String	Name of stadium owned by requester
StadiumAddress	String	Address of stadium
Note	String	Note of requester
Status	String	Status of request
CreateDate	DateTime	Create date of request

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	RequestJoinSystem	Initialize an RequestJoinSystem with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class RequestJoinSystem	Integer	Create a request and save it to database
Update	- FullName - Address - Phone - Email - StadiumName - StadiumAddress - Note - Status	Integer	Update request information of an existing request in database
Delete	- Id	Integer	Delete a RequestJoinSystem

GetById	- Id	RequestJoin System	Get a request by Id from database
GetByUserId	- UserId	List<Request JoinSystem>	Get all request of an user
GetAll	N/A	List<Request JoinSystem>	Get all request

#### 4.4.2.14. Member Rank

- **Attributes**

Name	Type	Description
Id	Integer	Id of rank
RankName	String	Name of rank
RankPoint	Integer	Minimum point to get rank
Promotion	String	Promotion of rank

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	MemberRank	Initialize an MemberRank with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class MemberRank	Integer	Create a MemberRank and save it to database
Update	- RankName - RankPoint - Promotion	Integer	Update MemberRank information of an existing MemberRank in database
Delete	- Id	Integer	Delete a MemberRank
GetByPoint	- Id	MemberRank	Get a MemberRank by point
GetById	- UserId	MemberRank	Get a MemberRank by id
GetAll	N/A	List<Member Rank>	Get all MemberRank

#### 4.4.2.15. Advertisement

- **Attributes**

Name	Type	Description
Id	Integer	Id of advertisement
Position	String	Position of advertisement
AdvertiseDetail	String	Content of advertisement
CreateDate	DateTime	Create date of advertisement
ExpiredDate	DateTime	Expired date of advertisement

Status	String	Status of advertisement
Creator	Integer	Id of creator

- **Methods**

Name	Parameter	Return Type	Description
Constructors	Optional	Advertisement	Initialize an Advertisement with value (optional)
Getters	N/A	Type of attribute	Get value of an attribute corresponding with getter of attribute
Setters	Value of attribute	Void	Set value for an attribute corresponding with setter of attribute
Create	All of attribute of class Advertisement	Integer	Create an Advertisement and save it to database
Update	<ul style="list-style-type: none"> <li>- Position</li> <li>- AdvertiseDetail</li> <li>- ExpiredDate</li> <li>- Status</li> </ul>	Integer	Update Advertisement information of an existing Advertisement in database
Delete	<ul style="list-style-type: none"> <li>- Id</li> </ul>	Integer	Delete an Advertisement
GetByPosition	<ul style="list-style-type: none"> <li>- Position</li> </ul>	Advertisement	Get an Advertisement by position
GetById	<ul style="list-style-type: none"> <li>- Id</li> </ul>	Advertisement	Get an Advertisement by id
GetAll	N/A	List<Advertisement>	Get all Advertisement

#### 4.4.2.16. Member

Inherit all attributes and methods of class Account

- **Methods**

Name	Parameter	Return Type	Description
Authenticate	<ul style="list-style-type: none"> <li>- UserName</li> <li>- Password</li> </ul>	Boolean	Authenticate a user with system
FindStadium	<ul style="list-style-type: none"> <li>- StadiumName</li> <li>- Location</li> <li>- FieldType</li> </ul>	List<Stadium>	Find stadium with some option, let a option null to ignore that option when search
ViewStadiumDetail	<ul style="list-style-type: none"> <li>- StadiumId</li> </ul>	Stadium	View detail of a stadium with member view
FindAvailable Stadium	<ul style="list-style-type: none"> <li>- Location</li> <li>- FieldType</li> <li>- Date</li> <li>- StartTime</li> </ul>	List<Stadium>	Find available stadium with options

	- Duration		
FindRival	<ul style="list-style-type: none"> <li>- Location</li> <li>- FieldType</li> <li>- Date</li> <li>- StartTime</li> <li>- Duration</li> </ul>	List<Reservation>	Find list reservation that do not have rival
JoinMatch	<ul style="list-style-type: none"> <li>- ReservationId</li> </ul>	Void	Join a match as rival of booker
BookField	<ul style="list-style-type: none"> <li>- FieldId</li> <li>- FullName</li> <li>- Address</li> <li>- Phone</li> <li>- Email</li> <li>- Date</li> <li>- StartTime</li> <li>- Duration</li> <li>- HasRival</li> </ul>	Boolean	Book a field
CancelReservation	<ul style="list-style-type: none"> <li>- ReservationId</li> </ul>	Void	Cancel a reservation
ViewBookingHistory	<ul style="list-style-type: none"> <li>- UserId</li> </ul>	List<Reservation>	View history of booking with Member view
ReviewStadium	<ul style="list-style-type: none"> <li>- StadiumId</li> <li>- UserId</li> <li>- ReviewContent</li> </ul>	Void	Review a stadium
RateStadium	<ul style="list-style-type: none"> <li>- StadiumId</li> <li>- UserId</li> <li>- Rate</li> </ul>	Void	Rate a stadium
UpdateAccount Profile	<ul style="list-style-type: none"> <li>- UserId</li> <li>- Password</li> <li>- FullName</li> <li>- Address</li> <li>- PhoneNumber</li> <li>- Email</li> </ul>	Void	Update account information
RequestJoinSystem	<ul style="list-style-type: none"> <li>- UserId</li> <li>- FullName</li> <li>- Address</li> <li>- PhoneNumber</li> <li>- Email</li> <li>- StadiumName</li> <li>- StadiumAddress</li> <li>- Note</li> </ul>	Void	Request for joining system of owned stadium
FeedbackWebsite	<ul style="list-style-type: none"> <li>- Content</li> <li>- FullName</li> <li>- Email</li> </ul>	Void	Send feedback content to email
ReportUser	<ul style="list-style-type: none"> <li>- UserId</li> <li>- StadiumId</li> <li>- ReservationId</li> <li>- Reason</li> </ul>	Void	Report a bad behavior of user in an expired reservation

#### 4.4.2.17. WebsiteStaff

Inherit all attributes and methods of class Member

##### Methods

Name	Parameter	Return Type	Description
CreateAdvertising	- Position - Advertisement Detail - ExpiredDate - Status	Void	Create an advertisement
UpdateAdvertising	- Advertisement Id - Position - Advertisement Detail - ExpiredDate - Status	Void	Update an advertisement
DeleteAdvertising	- Advertisement Id	Void	Delete an advertisement
ViewAdvertisings	N/A	List<Advertisement>	View all Advertisements with website staff view
UpdateUser	- UserId - Password - Email - Point - IsActive - Role	Void	Update information of an user with website staff permission
ActivateUser	- UserId	Void	Activate an user
DeactivateUser	- UserId	Void	Deactivate an user
ViewUsers	N/A	List<User>	View all users with website staff view
ViewPunished	N/A	List<Punish>	View all current punish
EditPunish	- Id - UserId - StadiumId - ReservationId - ExpiredDate - IsForever - Reason	Void	Update a punished
PunishMember	- UserId - StadiumId - ReservationId - ExpiredDate - IsForever - Reason	Void	Punish a member

#### 4.4.2.18. WebsiteMaster

Inherit all attributes and methods of class WebsiteStaff

##### Methods

Name	Parameter	Return Type	Description
CreateStadium	<ul style="list-style-type: none"> <li>- Name</li> <li>- Street</li> <li>- Ward</li> <li>- District</li> <li>- City</li> <li>- Description</li> <li>- PhoneNumber</li> <li>- Email</li> <li>- IsActive</li> </ul>	Void	Create a stadium
UpdateStadium	<ul style="list-style-type: none"> <li>- StadiumId</li> <li>- Name</li> <li>- Street</li> <li>- Ward</li> <li>- District</li> <li>- City</li> <li>- Description</li> <li>- PhoneNumber</li> <li>- Email</li> <li>- IsActive</li> </ul>	Void	Update a stadium
ActivateStadium	<ul style="list-style-type: none"> <li>- StadiumId</li> </ul>	Void	Delete an advertisement
DeactivateStadium	<ul style="list-style-type: none"> <li>- StadiumId</li> </ul>		
ViewStadiums	N/A	List<Stadium>	View all Stadium with website master view
CreateMemberRank	<ul style="list-style-type: none"> <li>- RankName</li> <li>- RankPoint</li> <li>- Promotion</li> </ul>	Void	Create a member rank
UpdateMemberRank	<ul style="list-style-type: none"> <li>- MemberRankId</li> <li>- RankName</li> <li>- RankPoint</li> <li>- Promotion</li> </ul>	Void	Update a member rank
DeleteMemberRank	<ul style="list-style-type: none"> <li>- MemberRankId</li> </ul>	Void	Delete a member rank
ViewRanks	N/A	List<MemberRank>	View all member rank with website master view
ManageConfigs	<ul style="list-style-type: none"> <li>- Configs</li> </ul>	Void	Update system configuration

#### 4.4.2.19. StadiumStaff

Inherit all attributes and methods of class Member

- **Attributes**

Name	Type	Description
StadiumIds	List<Integer>	List ids of stadium those staff work for

- **Methods**

<b>Name</b>	<b>Parameter</b>	<b>Return Type</b>	<b>Description</b>
Constructors	Optional	StadiumStaff	Initialize a StadiumStaff with value (optional)
GetStadiumIds	N/A	List<Integer>	Get list ids of stadium those staff work for
SetStadiumIds	- StadiumIds	Void	Set list ids of stadium those staff work for
ReverseReservation	- FieldId - FullName - PhoneNumber - Email - Date - StartTime - Duration - HasRival	Void	Create a reservation for a field that staff manage
UpdateReservation	- FieldId - FullName - PhoneNumber - Email - Date - StartTime - Duration - HasRival - RivalName - RivalPhone - RivalEmail - RivalStatus	Void	Update a reservation that staff manage
ApproveReservation	- ReservationId	Void	Approve a reservation that staff manage
DenyReservation	- ReservationId	Void	Deny a reservation that staff manage
ViewReservations	N/A	List<Reservation>	View list reservation that staff manage
CreatePromotion	- FieldId - PromotionFrom - PromotionTo - Discount - IsActive	Void	Create a promotion for a field that staff manage
UpdatePromotion	- PromotionId - FieldId - PromotionFrom - PromotionTo - Discount - IsActive	Void	Update a promotion for a field that staff manage
ActivatePromotion	- PromotionId	Void	Activate a promotion that staff manage

DeactivatePromotion	- PromotionId	Void	Deactivate a promotion that staff manage
ViewPromotion	N/A	List<Promotion>	View list promotion that staff manage

#### 4.4.2.20. StadiumOwner

Inherit all attributes and methods of class StadiumStaff

#### - Methods

Name	Parameter	Return Type	Description
UpdateStadiumProfile	- StadiumId - Name - Street - Ward - District - City - Description - PhoneNumber - Email	Void	Update a stadium of stadium owner
AddFieldToStadium	- StadiumId - Number - ParentField - FieldType - IsActive	Void	Add a field to an owned stadium
UpdateFieldInformation	- FieldId - Number - ParentField - FieldType - IsActive	Void	Update an owned field
ActivateField	- FieldId	Void	Activate an owned field
DeactivateField	- FieldId	Void	Deactivate an owned field
ViewFields	- StadiumId	List<Field>	View list owned fields
CreateFieldPrice	- FieldPrice	Void	Create a field price
EditFieldPrice	- FieldPrice	Void	Update a field price

### 4.5. Sequence Diagram

#### 4.5.1. Create Stadium



Figure 39: Create Stadium

#### 4.5.2. Suggest Stadium

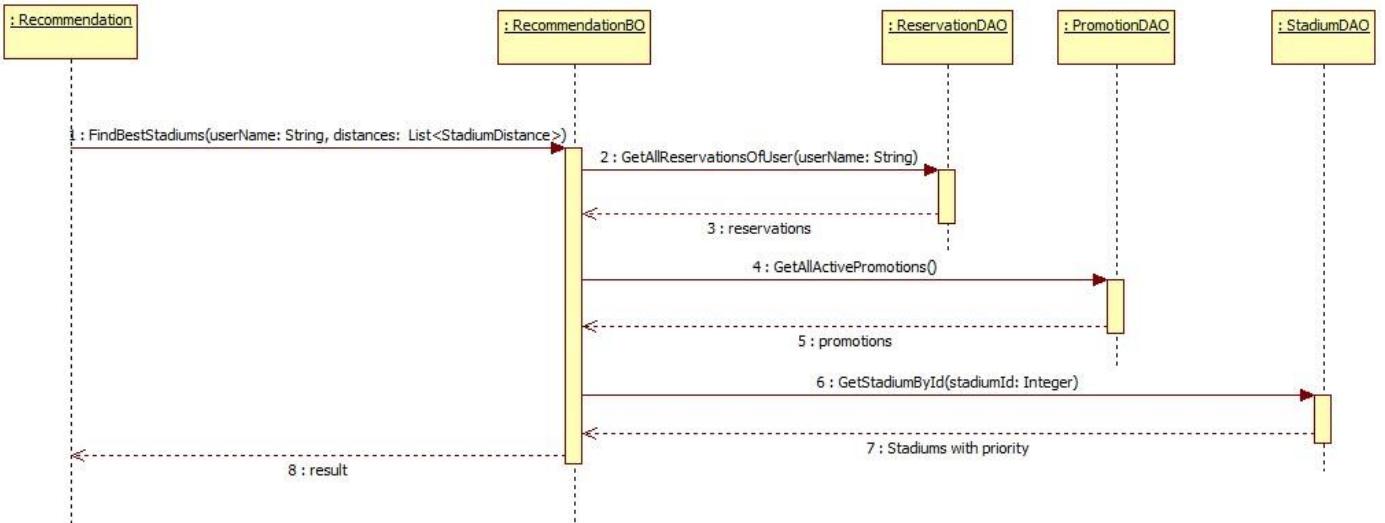


Figure 40: Suggest Stadium

#### 4.5.3. Delete Member Rank

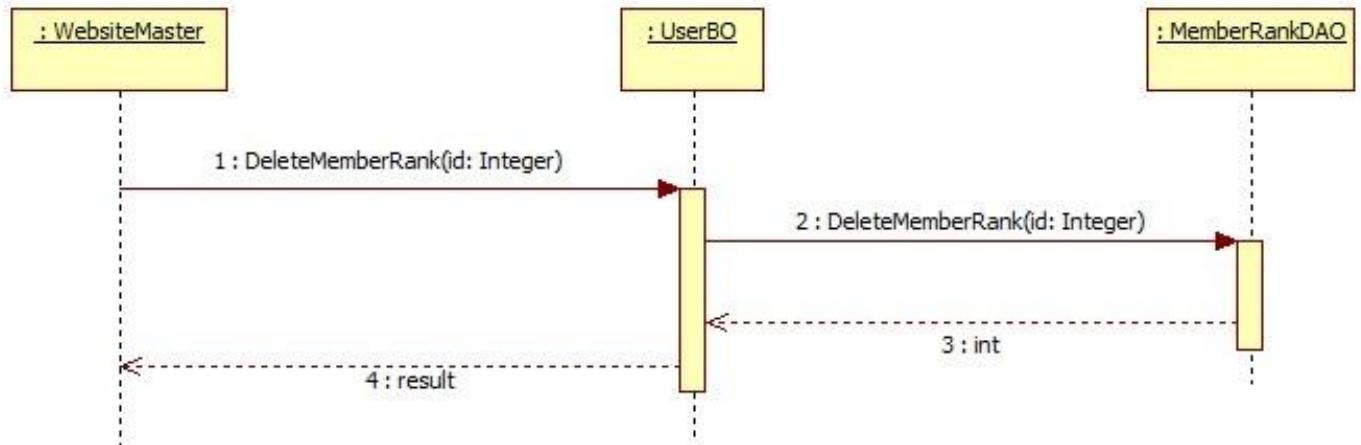


Figure 41: Delete Member Rank

#### 4.5.4. Create Price Table

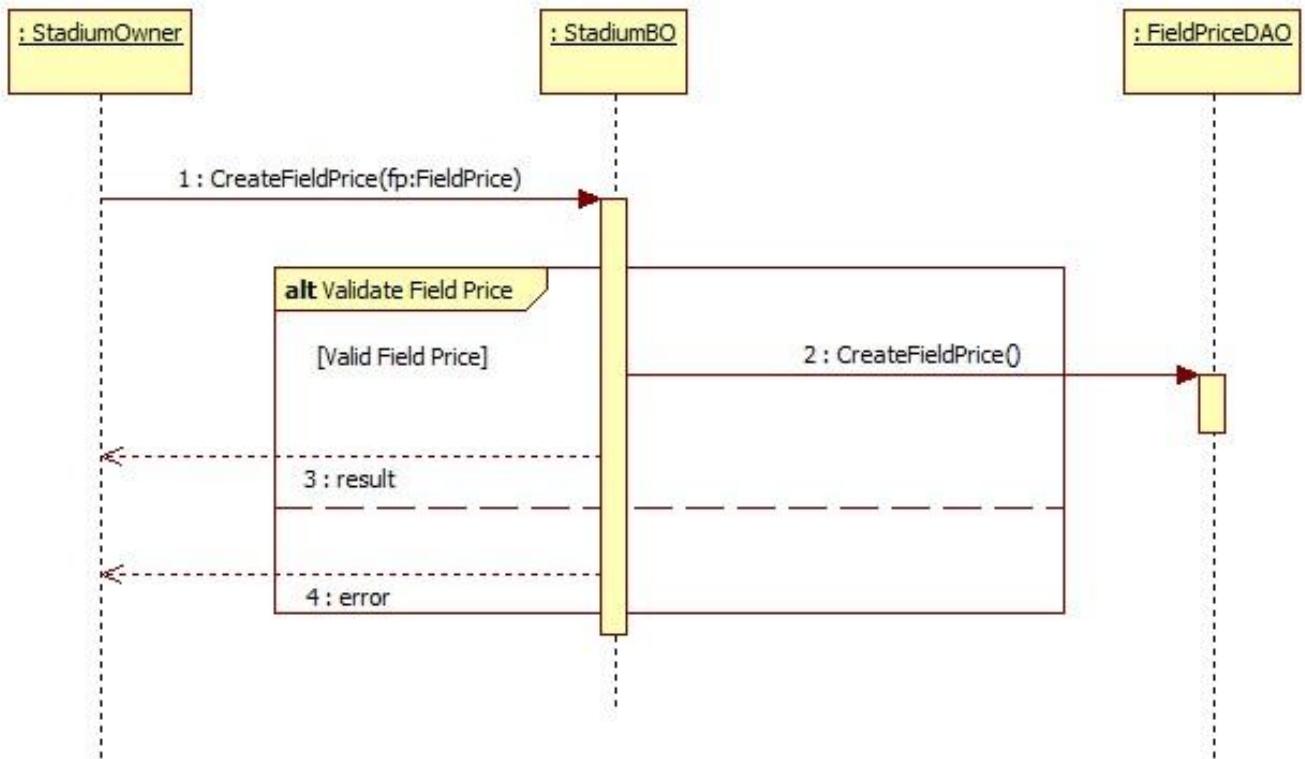


Figure 42: Create Price Table

#### 4.5.5. Create Reservation



Figure 43: Create Reservation

#### 4.5.6. Update Reservation

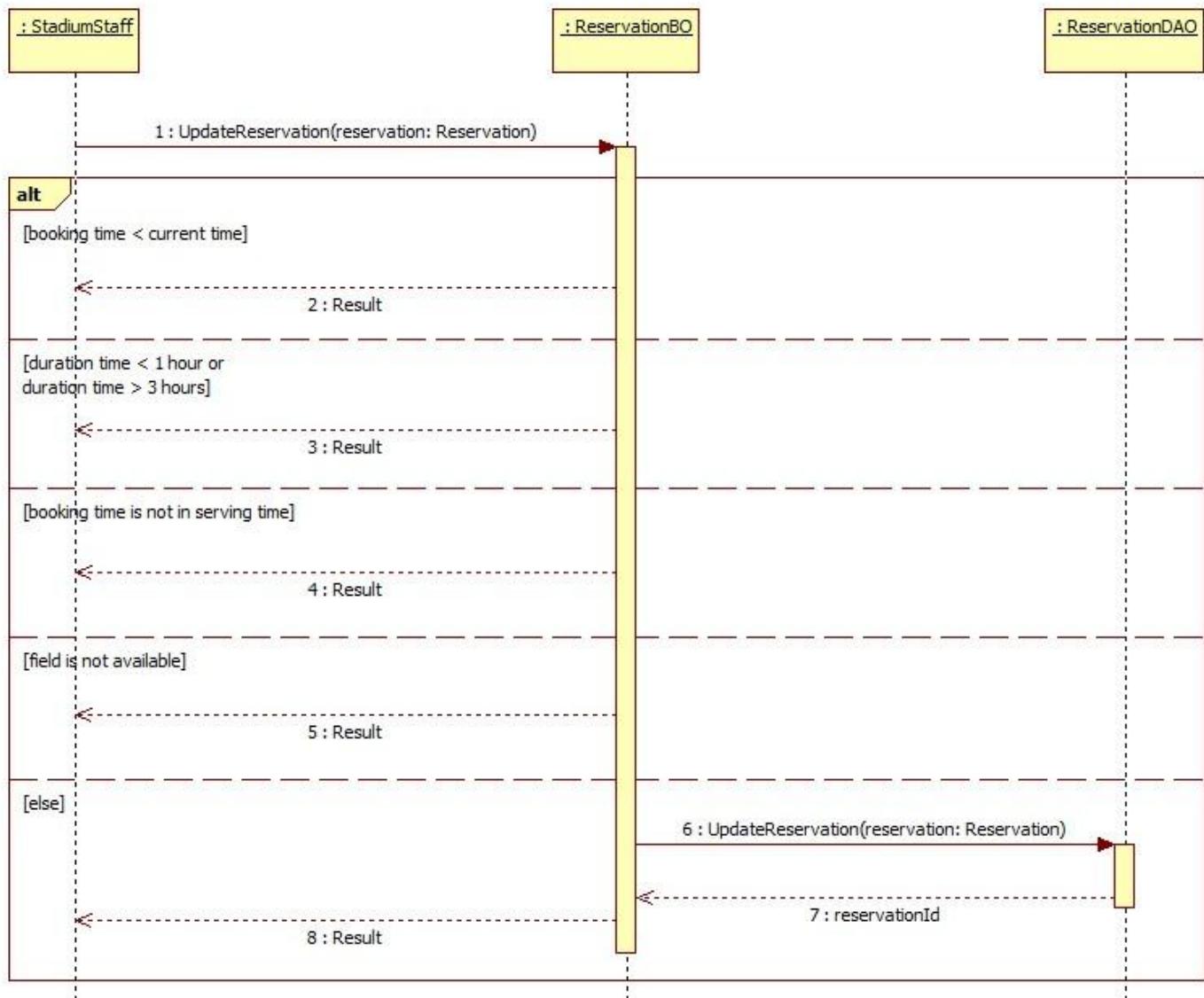


Figure 44: Update Reservation

#### 4.5.7. Find Available Stadium

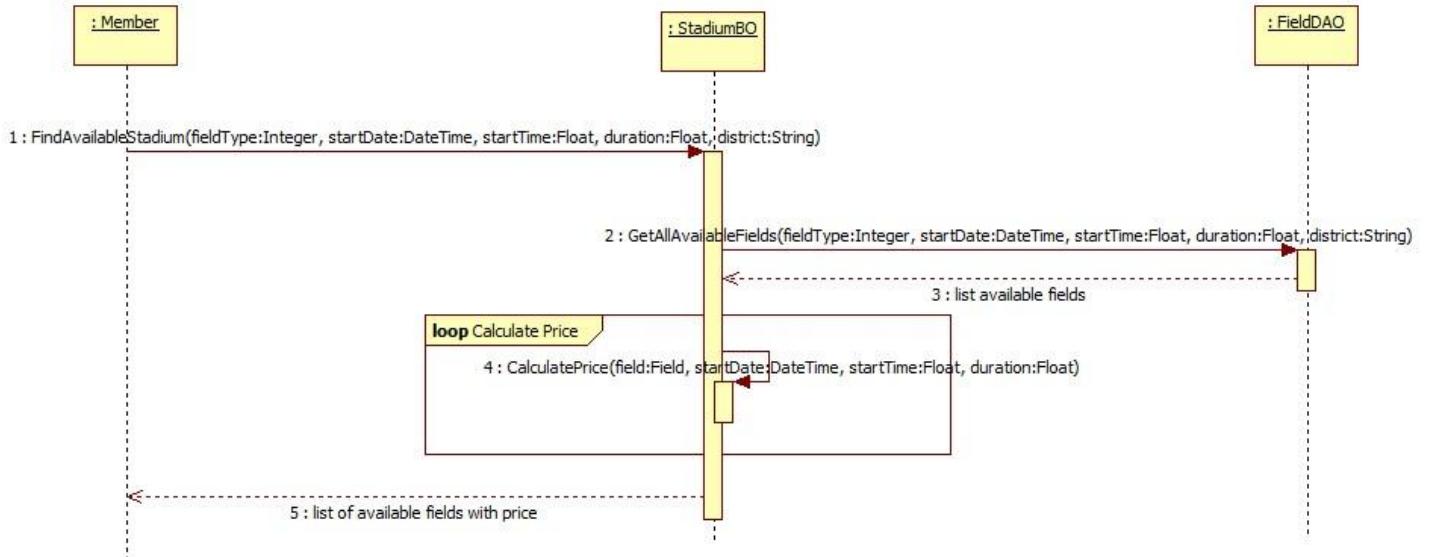


Figure 45: Find Available Stadium

#### 4.5.8. Create Promotion

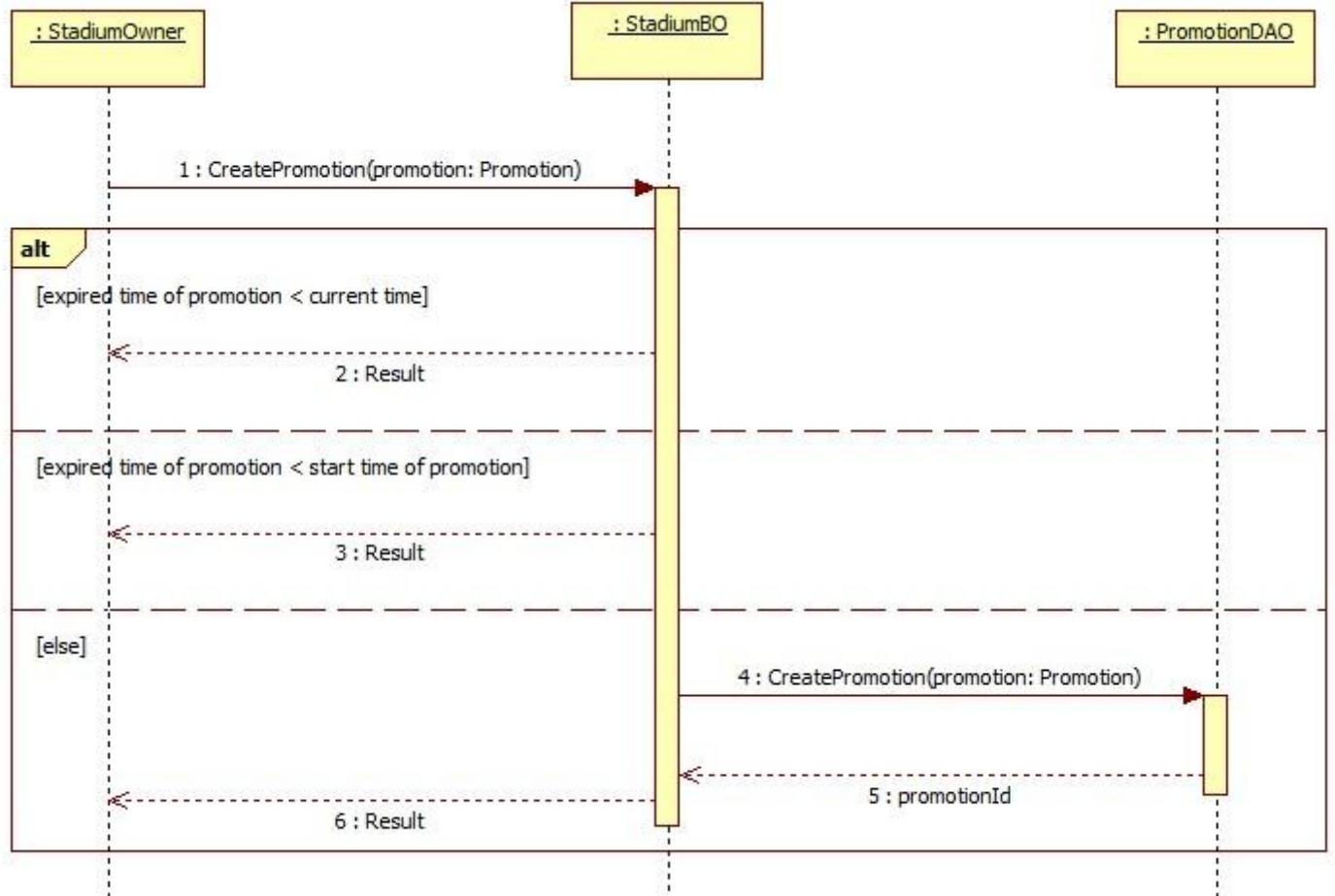


Figure 46: Create Promotion

#### 4.5.9. Book Field

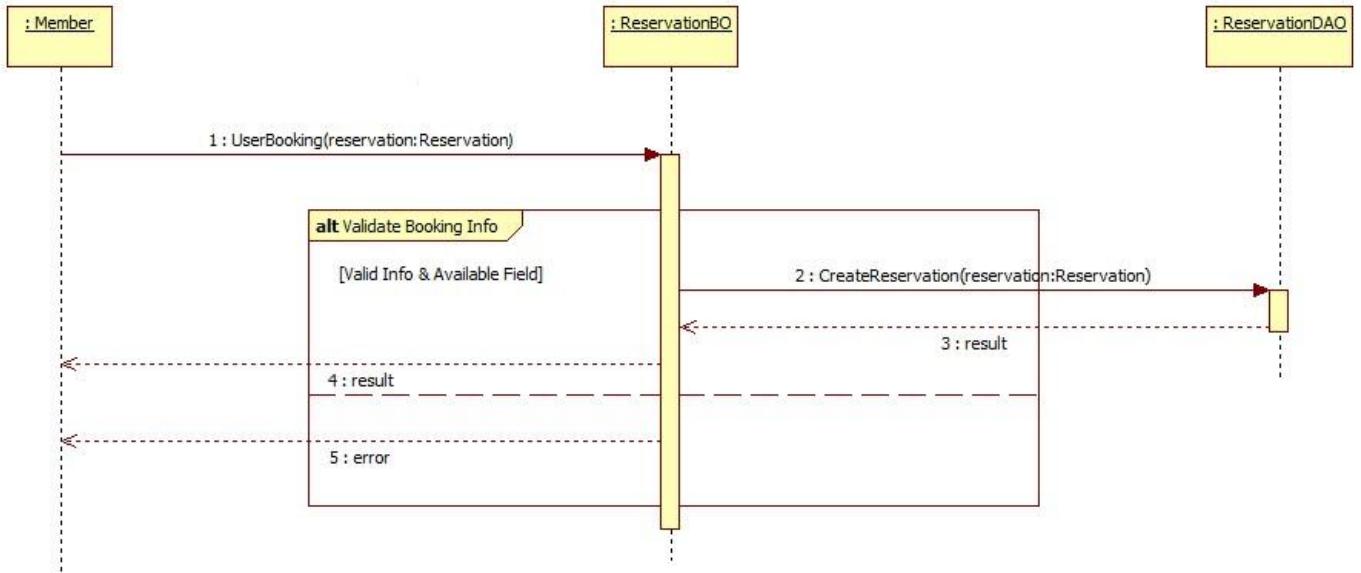


Figure 47: Book Field

#### 4.5.10. Cancel Reservation

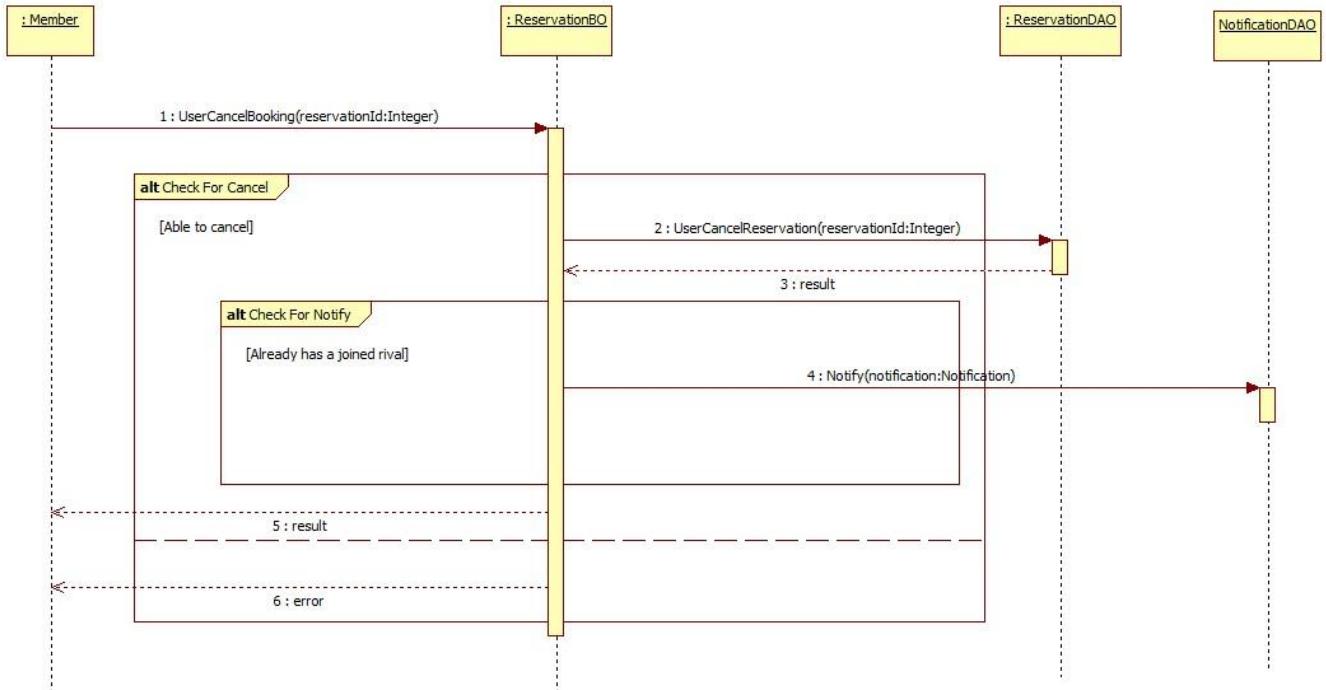


Figure 48: Cancel Reservation

#### 4.5.11. Find Rival

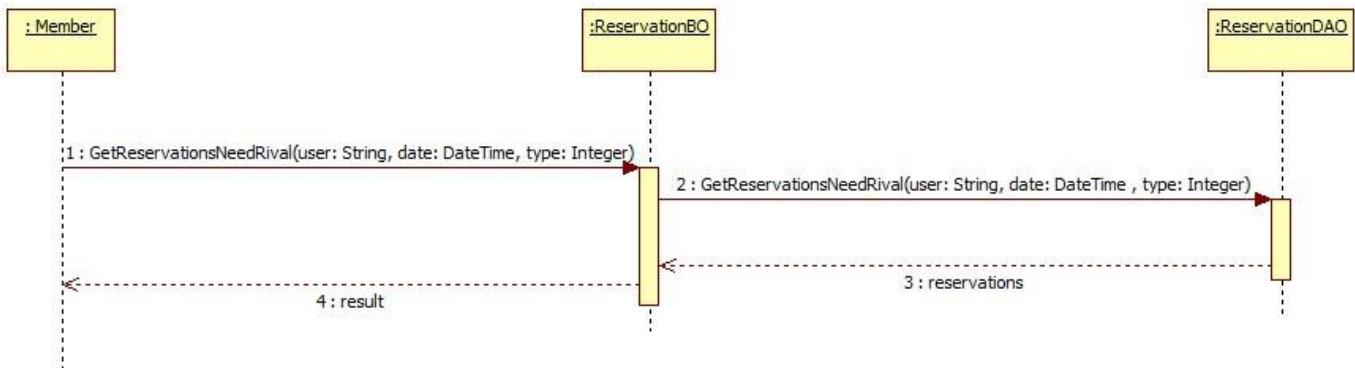


Figure 49: Find Rival

#### 4.5.12. Join Match

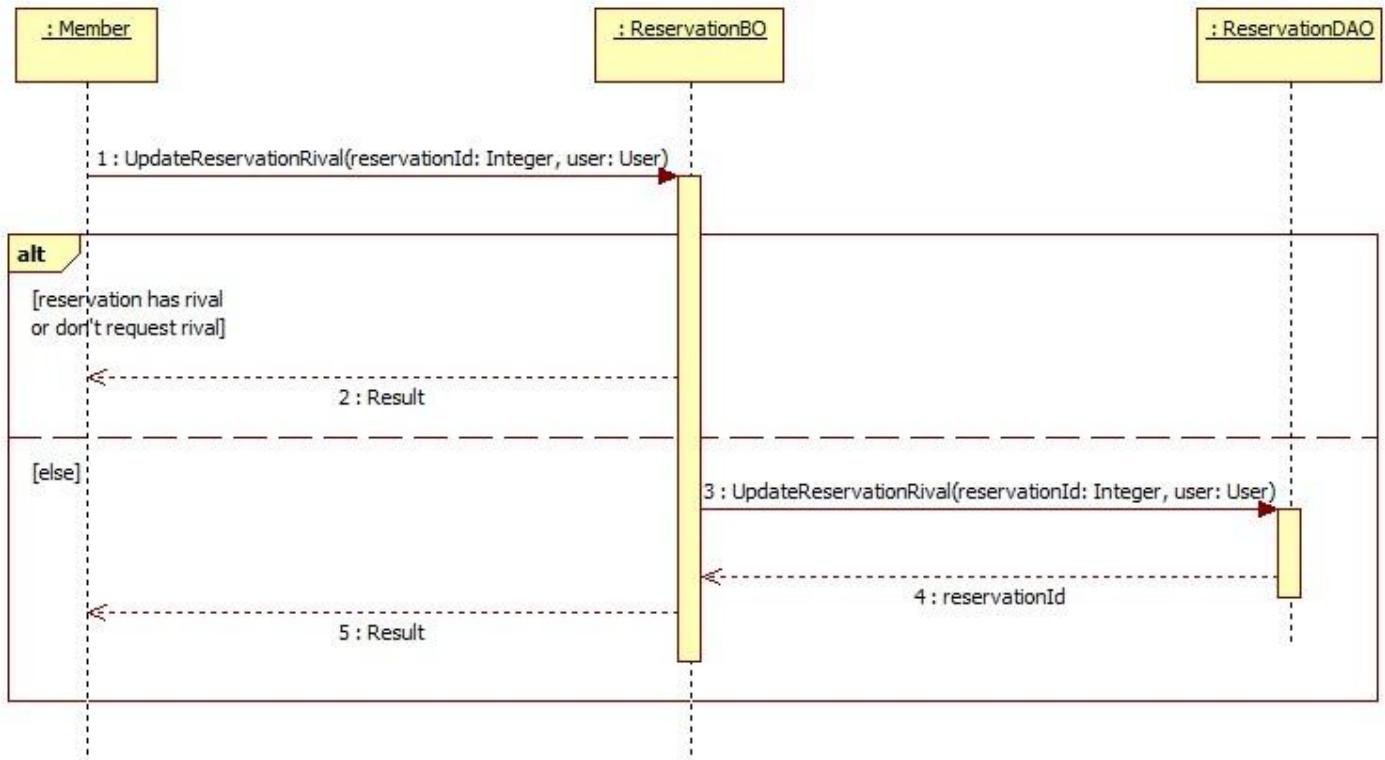


Figure 50: Join Match

#### 4.5.13. Reference Sequence Diagrams

The following sequences diagram is referenced to: [CD\reports\Report4.docx](#)

- View Booking History
- Rate Stadium
- Review Stadium
- Update Account Profile
- Feedback Website
- Request Join System
- Update Stadium
- Update Configuration
- Suggest Rival

- View Stadiums
- Create Member Rank
- Update Member Rank
- View Member Ranks
- Create Advertising
- Update Advertising
- Delete Advertising
- View Advertisings
- Punish User
- Update User
- View Users
- Update Stadium Profile
- Update Field
- View Fields
- Approve Reservation
- Decline Reservation
- View Reservations
- Update Promotion
- View Promotions
- Find Stadium
- View Stadium Detail

#### **4.6. User Interface Design/ Hardware Interface Design (if any)**

Update Later

## 4.7. Database Design

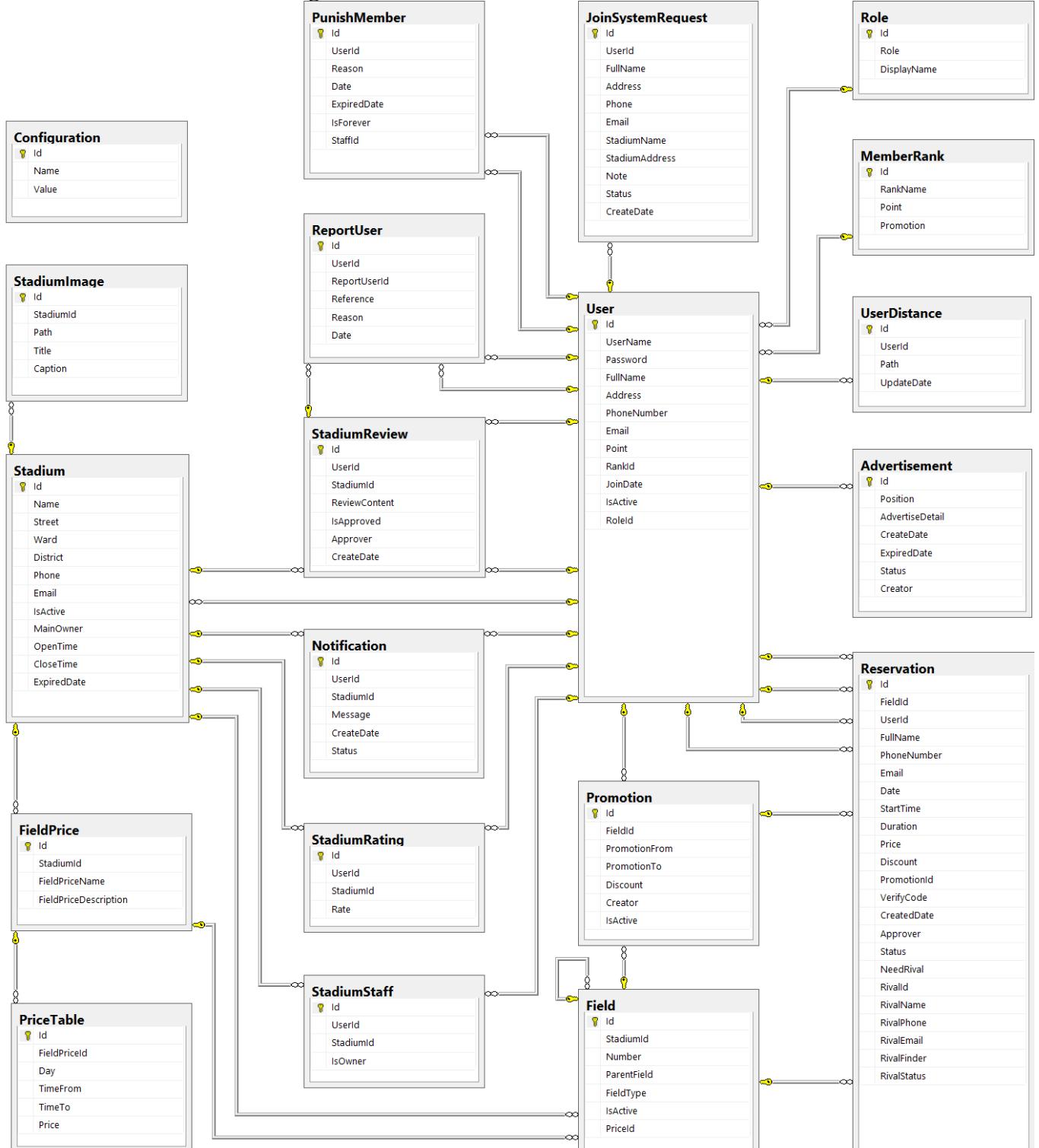


Figure 51: Database Diagram

### 4.7.1. Tables description

No.	Table name	Description
1	Advertisement	Store information about advertising of website
2	Configuration	Store information about configuration of website
3	Field	Store information about fields in system
4	FieldPrice	Store information about price of stadiums in system

<b>5</b>	JoinSystemRequest	Store information about join system requests in system
<b>6</b>	MemberRank	Store information about rank of member in system
<b>7</b>	Notification	Store information about notification of members and stadiums in system
<b>8</b>	PriceTable	Store informatino about price table of field price in system
<b>9</b>	Promotion	Store information about promotions of stadiums in system
<b>10</b>	PunishMember	Store information about punishing members in system
<b>11</b>	ReportUser	Store information about reporting users in system
<b>12</b>	Reservation	Store information about reservations of stadiums in system
<b>13</b>	Role	Store information about roles of user in system
<b>14</b>	Stadium	Store information about stadiums in system
<b>15</b>	StadiumImage	Store information about images of stadiums in system
<b>16</b>	StadiumRating	Store information about rating of stadiums in system
<b>17</b>	StadiumReview	Store information about reviews of stadiums in system
<b>18</b>	StadiumStaff	Store information about staffs of stadiums in system
<b>19</b>	User	Store information about users in system
<b>20</b>	UserDistance	Store information about the distance of users in system

#### 4.7.2. Advertisement

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this advertising
<b>Position</b>	nvarchar(10)					The position to display of the advertising
<b>AdvertiseDetail</b>	ntext					The content of this advertising
<b>CreateDate</b>	date					The date when this advertising is created
<b>ExpiredDate</b>	date					The date when this advertising is expired
<b>Status</b>	nvarchar(50)					The status of this advertising
<b>Creator</b>	int	true		FK		The creator who is created this advertising

#### 4.7.3. Configuration

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this configuration
<b>Name</b>	nvarchar(100)					The name of this configuration
<b>Value</b>	nvarchar(100)					The value of this configuration

#### 4.7.4. Field

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this field
<b>StadiumId</b>	int			FK		The index of stadium which contain this field
<b>Number</b>	nvarchar(5)					The number of this field
<b>ParentField</b>	int	true		FK		The index of field which is parent of this field
<b>FieldType</b>	int					The type of this field
<b>IsActive</b>	bit	true				The status of this field
<b>PriceId</b>	int			FK		The index of price of this field

#### 4.7.5. FieldPrice

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of price of field
<b>StadiumId</b>	int			FK		The index of stadium
<b>FieldPriceName</b>	nvarchar(200)					Price name of this field
<b>FieldPriceDescription</b>	nvarchar(200)					Description of the field price

#### 4.7.6. JoinSystemRequest

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this join system request
<b>UserId</b>	int			FK		The user who send this join system request
<b>FullName</b>	nvarchar(50)					The full name of user who send this join system request
<b>Address</b>	nvarchar(100)					The address of user who send this join system request
<b>Phone</b>	nvarchar(20)					The phone number of user who send this join system request
<b>Email</b>	nvarchar(50)					The email of user who send this join system request

<b>StadiumName</b>	nvarchar(100)						The name of stadium which is user want to join system
<b>StadiumAddress</b>	nvarchar(100)						The address of stadium which is user want to join system
<b>Note</b>	nvarchar(100)	true					The note of this request
<b>Status</b>	nvarchar(50)						The status of this request
<b>CreateDate</b>	datetime						The date when this request is created

#### 4.7.7. MemberRank

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this rank
<b>RankName</b>	nvarchar(50)					The name of this rank
<b>Point</b>	int					This point is condition to have this user rank
<b>Promotion</b>	nvarchar(500)	true				The promotion for user who have this rank

#### 4.7.8. Notification

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this notification
<b>UserId</b>	int			FK		Index of this user
<b>StadiumId</b>	int			Fk		Index of the stadium
<b>Message</b>	nvarchar(2000)					Content of message
<b>CreateDate</b>	datetime					Time when notification appear
<b>Status</b>	Nvarchar(50)					Status of this notification

#### 4.7.9. Pricetable

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this price table
<b>FieldPriceId</b>	int			FK		The name of this rank
<b>Day</b>	int					Day of this price table
<b>TimeFrom</b>	float					Start time of this price table
<b>TimeTo</b>	float					End time of this price table
<b>Price</b>	float					Price of each price table

#### 4.7.10. Promotion

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this promotion
<b>FieldId</b>	int			FK		The index of field which this promotion apply
<b>PromotionFrom</b>	date					The time when this promotion is started
<b>PromotionTo</b>	date					The time when this promotion is finished
<b>Discount</b>	float					The discount per cent of this promotion
<b>Creator</b>	int	true				The creator who is created this promotion
<b>IsActive</b>	bit	true				The status of this promotion

#### 4.7.11. Punish Member

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this punishing
<b>UserId</b>	int			FK		The index of user who will be punished
<b>Reason</b>	Nvarchar(200)					Reason of this punishing
<b>Date</b>	datetime					Punish time of this punishing
<b>ExpiredDate</b>	datetime					Unbanned time of this punishing
<b>IsForever</b>	bit					Check is it forever punish
<b>StaffId</b>	int	true		FK		Index of the staff who is punish this user

#### 4.7.12. Report user

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this promotion
<b>UserId</b>	int			FK		The index of the user who is reported
<b>ReportUserId</b>	int					The index of the user who reports
<b>Reason</b>	nvarchar(50)					Reason of the report
<b>Reference</b>	int			FK		Reference of this report

<b>Date</b>	date						Create date of this report
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#### 4.7.13. Reservation

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this reservation
<b>FieldId</b>	int			FK		The index of field is booked
<b>UserId</b>	int	true		FK		The index of user who book the field
<b>FullName</b>	nvarchar(50)					The full name of user who book the field
<b>PhoneNumber</b>	nvarchar(20)					The phone number of user who book the field
<b>Email</b>	nvarchar(50)	true				The email of user who book the field
<b>Date</b>	date					The date that is booked the field
<b>StartTime</b>	float					The start time when user need the field
<b>Duration</b>	float					The duration time that user need the field
<b>Price</b>	float					The price of field
<b>Discount</b>	float	true				The discount per cent of the promotion is applied to this reservation
<b>VerifyCode</b>	nvarchar(50)					The code which use for verifying this reservation
<b>CreatedDate</b>	datetime					The date when this reservation is created
<b>Approver</b>	int	true		FK		The index of stadium staff who approve this reservation
<b>Status</b>	nvarchar(20)					The status about approving of this reservation
<b>NeedRival</b>	bit					The status about having rival of this reservation
<b>RivalId</b>	int	true		FK		The index of rival who join this request rival of this reservation
<b>RivalName</b>	nvarchar(50)	true				The name of rival who join this request rival of this reservation

<b>RivalPhone</b>	nvarchar(20)	true					The phone number of rival who join this request rival of this reservation
<b>RivalEmail</b>	nvarchar(50)	true					The email of rival who join this request rival of this reservation
<b>RivalFinder</b>	int	true					The index of user who find rival for this request rival of this reservation
<b>RivalStatus</b>	nvarchar(20)	true					The status about approving of this rival

#### 4.7.14. Role

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK, FK		The index of this role
<b>Role</b>	nvarchar(50)					The name of this role
<b>DisplayName</b>	nvarchar(50)	true				The display name of this role

#### 4.7.15. Stadium

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this stadium
<b>Name</b>	nvarchar(100)					The name of this stadium
<b>Street</b>	nvarchar(50)					The street address of this stadium
<b>Ward</b>	nvarchar(50)					The ward address of this stadium
<b>District</b>	nvarchar(50)					The district address of this stadium
<b>Description</b>	nvarchar(500)					The description about this stadium
<b>Phone</b>	nvarchar(20)					The phone number to contact with this stadium staff
<b>Email</b>	nvarchar(50)					The email to contact with this stadium staff
<b>IsActive</b>	bit	true				The status of this stadium
<b>MainOwner</b>	int			FK		The owner of this stadium
<b>OpenTime</b>	float					Opened time of this stadium

<b>CloseTime</b>	float					Closed time of this stadium
<b>ExpiredDate</b>	date					Limited date of this stadium

#### 4.7.16. StadiumImage

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this image
<b>StadiumId</b>	int			FK		The index of stadium which the image about
<b>Path</b>	nvarchar(100)					The path of this image store in server
<b>Title</b>	nvarchar(100)	true				The title of this image
<b>Caption</b>	nvarchar(200)	true				The caption of this image

#### 4.7.17. StadiumRating

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this rating
<b>UserId</b>	int			FK		The index of user who rate the stadium
<b>StadiumId</b>	int			FK		The index of stadium which is rated
<b>Rate</b>	float					The point of this rating

#### 4.7.18. StadiumReview

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this review
<b>UserId</b>	int			FK		The index of user who review the stadium
<b>StadiumId</b>	int			FK		The index of stadium which is reviewed
<b>ReviewContent</b>	nvarchar(500)					The content of this review
<b>IsApproved</b>	bit					The status about approving of this review
<b>Approver</b>	int	true		FK		The index of stadium staff who approve this review
<b>CreateDate</b>	datetime					The date when this review is created

#### 4.7.19. StadiumStaff

Field name	Type	Null	Unique	P/F key	Default	Description

<b>Id</b>	int			PK		The index of this stadium staff
<b>UserId</b>	int			FK		The index of user who is staff of stadium
<b>StadiumId</b>	int			FK		The index of stadium
<b>IsOwner</b>	bit					The role of this staff

#### 4.7.20. User

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of this user
<b>UserName</b>	nvarchar(50)					The user name of this user
<b>Password</b>	nvarchar(50)					The password of this user
<b>FullName</b>	nvarchar(50)	true				The full name of this user
<b>Address</b>	nvarchar(100)	true				The address of this user
<b>PhoneNumber</b>	nvarchar(20)	true				The phone number of this user
<b>Email</b>	nvarchar(50)					The email of this user
<b>Point</b>	int					The point of this user
<b>RankId</b>	int			FK		The index of rank of this user
<b>JoinDate</b>	date					The date when user register at website
<b>IsActive</b>	bit					The status of this user
<b>RoleId</b>	int					The index of role of this user

#### 4.7.21. UserDistance

Field name	Type	Null	Unique	P/F key	Default	Description
<b>Id</b>	int			PK		The index of the user stadium
<b>UserId</b>	int			FK		The index of the user
<b>Path</b>	nvarchar(50)					The path of this user distance
<b>IsOwner</b>	bit					The role of this staff

### 4.8. Business Intelligence Agent: Suggestion Method

#### 4.8.1. Overview:

This automatic function helps system to suggest stadium or rival when users login. It makes the website becomes more friendly and convenience for user. We apply Google

API to calculate the distance from user's address to stadium's address, storage the reservation history of user to understand their habits, and get the promoted information of stadium to give user best advices.

Therefore we use three norms to recommend the stadium for user:

- Most booked stadium
- The nearest stadium
- Stadium which is discounted

#### 4.8.2. Implement:

- User logins system
- System gets the reservation history of this user, all the available promoted stadiums and the distance from user to each stadium.
- Each recommended stadium is calculated by three norms: the stadium which is most booked, the stadium which is nearest to user's address and the most discount stadium.
- System calculates the priority of each norms and combines it into final priority to decide the order of stadium which is displayed on Homepage.
- Homepage has 4 categories of stadium: The best stadium (balance rate of priority), most booked stadium(highest priority rate for the most booked stadium), most nearest stadium (highest priority rate for the nearest stadium), and most discount stadium (highest priority rate for the most discounted stadium).
- The best stadium, most booked stadium, most nearest stadium, and most discount stadium have the same method to be suggested but they have the difference value of priority rate.
- For example, Most Booked Stadium is suggested by: the highest priority rate for most booked stadium (60 percent), the lower priority rate for near stadium (20 percent) and discounted stadium (20 percent).
- In addition, the value of priority rate is able to be changed. It depend on taste of customer. If they interest more about near stadium, website master can raise the rate of nearest stadium priority, and decrease the others dow.

Beside that we apply the same way to suggest rival for player who wants to find competitors or have not enough players for a match.

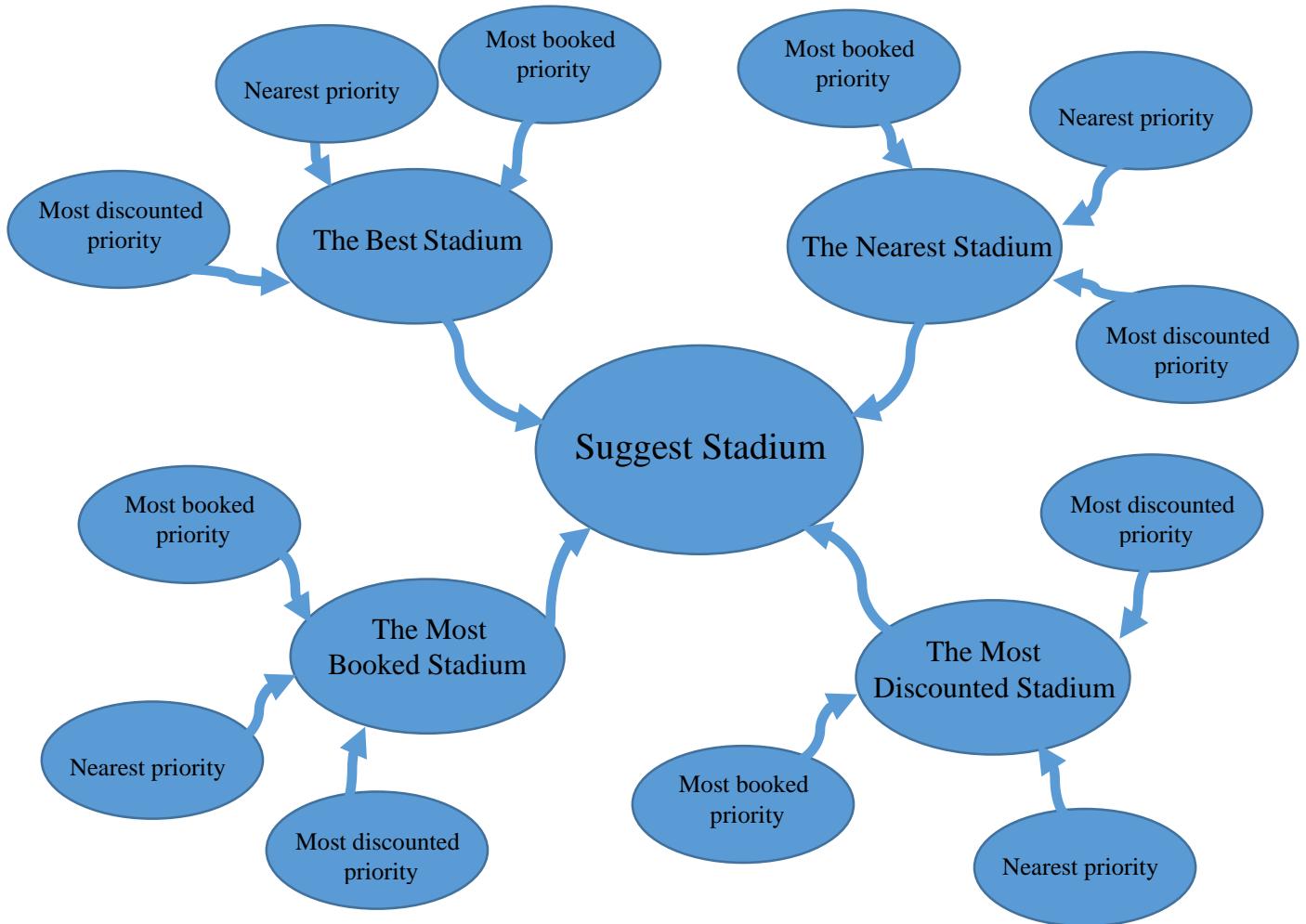


Figure 52: Stadium Suggestion

#### 4.8.3. Algorithm

##### **Most Booked Stadium Point (MBSP):**

- Get all reservation, we assume number of stadiums were booked
- Reduced Point =  $10 / \text{number of stadiums were booked}$
- Stadium with max reservation: set 10 mark
- Next Stadium mark =  
 $10 - [(\text{Max reservation number} - \text{Next reservation number}) \times \text{Reduced Point}]$
- Calculate to the end of booked stadiums list
- We have mark of each booked stadium

##### **Most Discounted Stadium Point (MDSP):**

- Get all available promoted stadium, assume number of stadium are being discounted
- Reduced Point =  $10 / \text{number of stadium are being discounted}$ .
- Stadium with the highest discount: set 10 mark
- Next Stadium mark =  
 $10 - [(\text{highest discount amount} - \text{next discount amount}) \times \text{Reduced Point}]$
- Calculate to the end of the discounted stadiums list.
- We have mark of each promoted stadium

**Nearest Priority Stadium Point(NPSP):**

- Distance from user's address to stadium < 2km: set 10 mark
- Distance from user's address to stadium < 4km: set 9 mark
- Distance from user's address to stadium < 8km: set 8 mark
- ....
- Distance from user's address to stadium out of 20 km: 0 mark

We have mark of each stadium near user's address

**Summarise:**

- Most booked priority: **MostBooked**
- Most discount priority: **MostPromoted**
- Distance priority: **Nearest**

Final priority of each stadium =

$$(\text{MostBooked} \times \text{MBSP}) + (\text{MostPromoted} \times \text{MDSP}) + (\text{Nearest} \times \text{NPSP})$$

Note: Value of MostBooked, MostPromoted and Nearest is store in Tbl.Configuration.  
It's able to change.

Result: The stadium with the highest priority is display firstly in each category on Home page.

## **Report No.5: System Implementation & Test (SIT)**

### **5.1. Introduction**

#### **5.1.1. System Overview**

This document describes the approach and methodologies used by the testing group to plan, organize and manage the testing of this system. It describes implementation details of test cases or technical details of how the product features should work.

The system will be tested is also the system our team are currently developing. This system developed based on MVC4 framework.

#### **5.1.2. Test Approach**

- Test goals: the testing aims to identify the remaining bugs in the system before releasing and confirm the consistency in design and implementation.
- Test type: black box testing.
- Test level: system and integration test.

### **5.2. Test Plan**

The purpose of this section is to verify and ensure that BUSG meets its design specification and other requirements from user. The following part will describe which features will be tested and which will not.

#### **5.2.1. Functions**

##### **5.2.1.1. Role ‘Website Master’**

Test all functions of role ‘Website Master’ including:

- Stadium Management
- User Management
- Advertise Management
- Request Join System Management

##### **5.2.1.2. Role ‘Stadium Owner’**

- Field Management
- Stadium Management
- Promotion Management
- Reservation Management

##### **5.2.1.3. Role ‘Member’**

- Account Management
- Feedback Management
- Find
- Booking Field Management

#### **5.2.2. Features not to be tested**

##### **5.2.2.1. Performance test**

There was not enough time so we cannot optimize source code and improve performance. We can only ensure the system work well but not at its best performance.

##### **5.2.2.2. Testing Tools and Environment**

- Windows 7 operating system
- Google Chrome 19 or higher
- Microsoft Visual Studio 2012
- Microsoft SQL Server 2008 R2

### 5.3. Test Cases

#### 5.3.1. Role ‘Website Master’

##### 5.3.1.1. Stadium Managements

Test case No	Test case	Input	Expected Result	Status	Note
<b>View Stadium Management</b>					
TC_1	Test View Stadium List	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Sân bóng” link	“Quản lý sân bóng” page is displayed with the following informations: - Image of Stadium - Tên sân bóng - Địa chỉ - Số điện thoại - Đánh giá - “Thêm sân mới” button	Tested	
<b>Create Stadium</b>					
TC_2	Test View Create Stadium Form	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Sân bóng” link 4. Click “Thêm sân mới” button	“Thêm sân bóng” page is displayed with the following field: - Tên sân bóng - Chủ sân - Ngày hết hạn - Số điện thoại - Email - Đường, phường , quận - Hình ảnh sân - Giờ hoạt động - Thêm hình ảnh sân - Trạng thái hoạt động - “Lưu” button & “Hủy bỏ” button	Tested	

TC_3	Test Create Stadium Successfully	1. Insert stadium's information 2. Click “Lưu” button	Display success message Redirect to “Quản lý sân bóng” page	Tested	
TC_4	Test Create Stadium With Blank Field	1. Insert stadium's information 2. Leave empty some fields 3. Click “Lưu” button	Error message will be displayed: “Xin hãy điền đầy đủ những thông tin bắt buộc”	Tested	
TC_5	Test Cancel Create Stadium	1. Insert stadium's information 2. Click “Hủy bỏ” button	Confirm discard all recent activity is displayed Redirect to “Quản lý sân bóng” page	Tested	
<b>Edit Stadium</b>					
TC_6	Test View Edit Stadium Form	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Sân bóng” link 4. Click “Chỉnh sửa” button	“Chỉnh sửa thông tin sân bóng” page is displayed with the following field: - Tên sân bóng - Chủ sân - Ngày hết hạn - Số điện thoại - Email - Đường, phường , quận - Hình ảnh sân - Giờ hoạt động - Thêm hình ảnh sân - Trạng thái hoạt động - “Lưu” button & “Hủy bỏ” button	Tested	
TC_7	Test Edit Stadium Successfully	1. Insert stadium's information 2. Click “Lưu” button	Display success message Redirect to “Quản lý sân bóng” page	Tested	

TC_8	Test Edit Stadium With Blank Field	1. Insert stadium's information 2. Leave empty some fields 3. Click “Lưu” button	Error message will be displayed: “Xin hãy điền đầy đủ những thông tin bắt buộc”.	Tested	
TC_9	Test Cancel Edit Stadium	1. Insert stadium's information 2. Click “Hủy bỏ” button	Confirm discard all recent activity is displayed Redirect to “Quản lý sân bóng” page	Tested	
<b>Update Stadium Status</b>					
TC_10	Test Active Stadium	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Sân bóng” link 4. Click “Chỉnh sửa” button 5. Choose “Đang hoạt động” in “Trạng thái hoạt động” drop down list of the stadium which will be active 6. Click “Lưu” button	New message will be displayed: “Cập nhật thành công” The Stadium status changes from deactive to active	Tested	
TC_11	Test Deactive Stadium	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Sân bóng” link 4. Click “Chỉnh sửa” button 5. Choose “Không hoạt động” in “Trạng thái hoạt động” drop down list of the stadium which will be active 6. Click “Lưu” button	New message will be displayed : “Cập nhật thành công” The Stadium status changes from deactive to active	Tested	

### 5.3.1.2. User Managements

Test case No	Test case	Input	Expected Result	Status	Note
<b>View User Management</b>					
TC_12	Test View User List	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Thành viên” link	“Quản lý thành viên” page is displayed with the following informations: - Thành viên - Tên đầy đủ - Địa chỉ - Email - Quyền hạn - “Tìm kiếm” textbox - “Tìm kiếm” button & “Xem tất cả” button	Tested	
<b>Update User's Profiles</b>					
TC_13	Test View Update User's Profiles Form	1. Login the system as WebsiteMaster. 2. Click “Quản trị website” link 3. Click “Thành Viên” link 4. Click user which will be edited	“Chỉnh sửa thông tin thành viên” page is displayed with the following informations: - Tên đăng nhập - Tên thành viên - Địa chỉ - Số điện thoại - “Email” textbox - “Mật khẩu” textbox & “Xác nhận mật khẩu” textbox - Point - “Quyền hạn” drop down list - “Lưu” button & “Hủy bỏ” button	Tested	

TC_14	Test Update User's Profiles Successfully	1. Insert new User's information 2. Click "Lưu" button	Redirect to "Quản lý thành viên" page	Tested	
TC_15	Test Update User's Profiles With Blank Field	1. Insert new User's information 2. Leave empty some fields 3. Click "Lưu" button	Error message will be displayed: "Xin hãy điền đầy đủ những thông tin bắt buộc"	Tested	
TC_16	Test Cancel Update User's Profiles	1. Insert new User's information 2. Click "Hủy bỏ" button	Confirm discard all recent activity is displayed Redirect to "Quản lý thành viên" page	Tested	

### 5.3.2. Role 'Stadium Owner'

#### 5.3.2.1. Field Managements

Test case No	Test case	Input	Expected Result	Status	Note
<b>View List Fields</b>					
TC_17	Test viewing "Quản lý sân con" list	1. Login the system as StadiumOwner 2. Click "Quản lý sân bóng" link 3. Click "Sân bóng" link 4. Click "Sân con" link	"Quản lý sân con" page is displayed as list with the following informations: - "Tên sân" - "Kiểu sân" - "Tên sân cha" - "Trạng thái" - "Chỉnh sửa" link & "Thêm sân con" link & "Bảng giá" link	Tested	
<b>Create Field</b>					

TC_18	Test creating a field with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Thêm sân con” button</li> <li>6. Leave empty some fields</li> <li>7. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Bạn cần sử dụng mẫu nhập bên dưới để thêm đầy đủ thông tin vào sân bóng”.</li> </ul>	Tested	
TC_19	Test creating a field but don't have price list	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Thêm sân con” button</li> <li>6. Click “đây” link</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Bạn cần thêm bảng giá vào hệ thống trước khi thêm sân con vào hệ thống. Click vào đây “link” để đến trang thêm bảng giá”.</li> <li>- Redirect to “Thêm bảng giá” page</li> </ul>	Tested	
TC_20	Test creating a field	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Thêm sân con” button</li> <li>6. Input require information</li> <li>7. Click “Lưu” button</li> </ol>	<p>Create successfully Redirect to “Quản lý sân con” page with new “Sân con” is created</p>	Tested	
TC_21	Test cancel creating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Thêm sân con” button</li> <li>6. Click “Huỷ bỏ” button</li> </ol>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý sân con” page</p>	Tested	

### Update Field

TC_22	Test updating a field with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Leave empty some fields</li> <li>7. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Bạn cần sử dụng mẫu nhập bên dưới để thêm đầy đủ thông tin vào sân bóng”.</li> </ul>	Tested	
TC_23	Test updating a field	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Insert field's information</li> <li>7. Click “Lưu” button</li> </ol>	<p>Update Successfully Redirect to “Quản lý sân con” page</p>	Tested	
TC_24	Test cancel updating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Click “Hủy” button</li> </ol>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý sân con” page</p>	Tested	
TC_25	Test active a field	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Sân con” link</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Choose “Đang hoạt động” in “Trạng thái hoạt động” drop down</li> </ol>	<p>New message will be displayed: “Cập nhật thành công” The Field status changes from deactive to active</p>	Tested	

		list of the advertising which will be active 7. Click “Lưu” on button		
TC_26	Test deactivate a field	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Sân bóng” link 4. Click “Sân con” link 5. Click “Chỉnh sửa” button 6. Choose “Không hoạt động” in “Trạng thái hoạt động” drop down list of the advertising which will be deactivate 7. Click “Lưu” button	New message will be displayed: “Cập nhật thành công” The Fields status changes from active to deactivate	Tested

### 5.3.2.2. Promotion Managements

Test case No	Test case	Input	Expected Result	Status	Note
<b>View List Promotions</b>					
TC_27	Test viewing Promotion Management page	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion	“Quản lý khuyến mãi” page is displayed as list with the following informations: - Số sân - Thời gian khuyến mãi - Giảm giá - Trạng thái hoạt động - “Thêm khuyến mãi” button & “Chỉnh sửa” link	Tested	
<b>Create Promotion</b>					

TC_28	Test creating a promotion with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> <li>4. Click stadium you want to view promotion</li> <li>5. Click “Thêm khuyến mãi” button</li> <li>6. Leave empty some fields</li> <li>7. Click “Lưu” button</li> </ol>	Error message will be displayed: <ul style="list-style-type: none"> <li>- “Xin vui lòng chọn thời gian khuyến mãi”</li> <li>- “Xin nhập và số ưu đãi giảm giá”.</li> </ul>	Tested	
TC_29	Test creating a promotion with “Thời gian kết thúc” is over	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> <li>4. Click stadium you want to view promotion</li> <li>5. Click “Thêm khuyến mãi” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Select “05/03/2014” in “Thời gian bắt đầu”</li> <li>- Select “06/03/2014” in “Thời gian kết thúc” field</li> <li>- Input “10” into “Giảm giá (%)” field</li> </ul> </li> <li>7. Click “Lưu” button</li> </ol>	Error message will be displayed: <ul style="list-style-type: none"> <li>- “Thời gian khuyến mãi đã kết thúc, xin vui lòng chọn thời gian kết thúc khác”.</li> </ul>	Tested	
TC_30	Test creating a promotion with “Thời gian kết thúc” before “Thời gian bắt đầu”	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> <li>4. Click stadium you want to view promotion</li> <li>5. Click “Thêm khuyến mãi” button</li> </ol>	Error message will be displayed: <ul style="list-style-type: none"> <li>- “Thời gian khuyến mãi không đúng, vui lòng chọn thời gian khác”.</li> </ul>	Tested	

		<p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Select “25/03/2014” in “Thời gian bắt đầu” field</li> <li>- Select “20/03/2014” in “Thời gian kết thúc” field</li> <li>- Input “10” into “Giảm giá (%)” field</li> </ul> <p>7. Click “Lưu” button</p>			
TC_31	Test creating a promotion with “Giảm giá (%)” is not a number	<p>1. Login the system as StadiumOwner</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Khuyến mãi” link</p> <p>4. Click stadium you want to view promotion</p> <p>5. Click “Thêm khuyến mãi” button</p> <p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Select “11/11/2014” in “Thời gian bắt đầu” field</li> <li>- Select “12/12/2014” in “Thời gian kết thúc” field</li> <li>- Input “12a” into “Giảm giá (%)” field</li> </ul> <p>7. Click “Lưu” button</p>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Giá trị giảm giá không chính xác, vui lòng nhập lại”.</li> </ul>	Tested	
TC_32	Test creating a promotion with “Giảm giá (%)” is not in a space	<p>1. Login the system as StadiumOwner</p> <p>2. Go to “Quản lý sân bóng” page</p> <p>3. Click “Khuyến mãi” link</p> <p>4. Click stadium you want to view promotion</p> <p>5. Click “Thêm khuyến mãi” button</p>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Yêu cầu giảm giá nằm trong khoảng 0 đến 100”.</li> </ul>	Tested	

		<p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Select “11/11/2014” in “Thời gian bắt đầu” field</li> <li>- Select “12/12/2014” in “Thời gian kết thúc” field</li> <li>- Input “500” into “Giảm giá (%)” field</li> </ul> <p>7.Click “Lưu” button</p>			
TC_33	Test creating a promotion	<p>1. Login the system as StadiumOwner</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Khuyến mãi” link</p> <p>4. Click stadium you want to view promotion</p> <p>5. Click “Thêm khuyến mãi” button</p> <p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Select “11/11/2014” in “Thời gian bắt đầu” field</li> <li>- Select “12/12/2014” in “Thời gian kết thúc” field</li> <li>- Input “10” into “Giảm giá (%)” field</li> </ul> <p>7. Click “Lưu” button</p>	<p>Create successfully Redirect to “Quản lý khuyến mãi” page with new “Khuyến mãi” is created</p>	Tested	
TC_34	Test cancel creating action	<p>1. Login the system as StadiumOwner</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Khuyến mãi” link</p> <p>4. Click stadium you want to view promotion</p> <p>5. Click “Thêm khuyến mãi” button</p>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý khuyến mãi” page</p>	Tested	

		6. Click “Huỷ bỏ” button			
<b>Update Promotion</b>					
TC_35	Test updating a promotion with blank fields	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion 5. Click “Chỉnh sửa” link on a row 6. Leave empty some fields 7. Click “Lưu” button	Error message will be displayed: - “Xin vui lòng chọn thời gian khuyến mãi - “ Xin nhập và số ưu đãi giảm giá”.	Tested	
TC_36	Test updating a promotion with “Thời gian kết thúc” is over	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion 5. Click “Chỉnh sửa” button 6. Input require information - Select “1” in “Số sân” field - Input “05/03/2014” into “Thời gian bắt đầu” - Input “06/03/2014” into “Thời gian kết thúc” field - Input “10” into “Giảm giá (%)” field 7. Click “Lưu” button	Error message will be displayed: - “Thời gian khuyến mãi đã kết thúc, xin vui lòng chọn thời gian kết thúc khác”.	Tested	
TC_37	Test updating a promotion with “Thời gian kết	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link	Error message will be displayed:	Tested	

	thúc” before “Thời gian bắt đầu”	3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion 5. Click “Chỉnh sửa” button 6. Input require information - Select “1” in “Số sân” field - Input “25/03/2014” into “Thời gian bắt đầu” field - Input “20/03/2014” into “Thời gian kết thúc” field - Input “10” into “Giảm giá (%)” field 7. Click “Lưu” button	- “Thời gian khuyến mãi không đúng, vui lòng chọn thời gian khác”.		
TC_38	Test updating a promotion with “Giảm giá (%)” is not a number	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion 5. Click “Chỉnh sửa” button 6. Input require information - Input “12a” into “Giảm giá (%)” field 7. Click “Lưu” button	Error message will be displayed: - “Giá trị giảm giá không chính xác, vui lòng nhập lại”.	Tested	
TC_39	Test creating a promotion with “Giảm giá (%)” is not in a space	1. Login the system as StadiumOwner 2. Click “Quản lý sân bóng” link 3. Click “Khuyến mãi” link 4. Click stadium you want to view promotion 5. Click “Chỉnh sửa” button 6. Input require information	Error message will be displayed: - “Yêu cầu giảm giá nằm trong khoảng 0 đến 100”.	Tested	

		<ul style="list-style-type: none"> <li>- Input “500” into “Giảm giá (%)” field</li> <li>7.Click “Lưu” button</li> </ul>			
TC_40	Test updating a promotion	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> <li>4. Click stadium you want to view promotion</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Change value to “2” in “Số sân” field</li> <li>- Change value to “11/11/2014” in “Thời gian bắt đầu” field</li> <li>- Change value to “12/12/2014” in “Thời gian kết thúc” field</li> <li>- Change value to “20” in “Giảm giá (%)” field</li> </ul> </li> <li>7. Click “Lưu” button</li> </ol>	<p>Update successfully Redirect to “Quản lý khuyến mãi” page with new “Khuyến mãi” information is updated</p>	Untested	
TC_41	Test cancel updating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> <li>4. Click stadium you want to view promotion</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Click “Hủy bỏ” button</li> </ol>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý khuyến mãi” page</p>	Tested	
TC_42	Test activating a promotion	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Khuyến mãi” link</li> </ol>	<p>Update successfully Redirect to “Quản lý khuyến mãi” page with “Khuyến mãi” is activated</p>	Tested	

		<p>4. Click promotion you want to view promotion</p> <p>5. Click “Chỉnh sửa” button</p> <p>6. Choose “Đang hoạt động” in “Trạng thái hoạt động” drop down list of the promotion which will be active</p> <p>7. Click “Lưu” button</p>			
TC_43	Test deactivating a promotion	<p>1. Login the system as StadiumOwner</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Khuyến mãi” link</p> <p>4. Click stadium you want to view promotion</p> <p>5. Click “Chỉnh sửa” button</p> <p>6. Choose “Đang hoạt động” in “Trạng thái hoạt động” drop down list of the promotion which will be deactivate</p> <p>7. Click “Lưu” button</p>	<p>Update successfully Redirect to “Quản lý khuyến mãi” page with “Khuyến mãi” is deactivated</p>	Tested	

#### 5.3.2.3. Price Table Management

Test case No	Test case	Input	Expected Result	Status	Note
<b>View Price List</b>					
TC_44	Test view Price List Management page	<p>1. Login the system as StadiumOwner</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Sân bóng” link</p> <p>4. Click “Bảng giá” link of the stadium which you want to view price list</p>	<p>“Quản lý bảng giá” page is displayed as list with the following informations:</p> <ul style="list-style-type: none"> <li>- “Tên bảng giá”</li> <li>- “Mô tả”</li> <li>- “Chi tiết” link &amp; “Xóa” link</li> </ul>	Tested	
<b>Create Price List</b>					

TC_45	Test creating a pricelist with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>4. Click “Thêm bảng giá” button</li> <li>5. Leave empty some fields</li> <li>6. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Xin hãy điền đầy đủ vào những trường thông tin bắt buộc”.</li> <li>- “Bảng giá mặc định không hợp lệ”</li> </ul>	Tested	
TC_46	Test creating a price list	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>4. Click “Thêm bảng giá” button</li> <li>5. Input require information</li> <li>6. Click “Lưu” button</li> </ol>	Create successfully Redirect to “Quản lý bảng giá” page with new “Bảng giá” is created	Tested	
TC_47	Test cancel creating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>4. Click “Thêm bảng giá” button</li> <li>6. Click “Huỷ bỏ” button</li> </ol>	<p>Confirm discard all recent activity is displayed</p> <p>Redirect to “Quản lý bảng giá” page</p>	Tested	
<b>Update Price List</b>					
TC_48	Test updating a price list with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>5. Click “Chi tiết” link</li> <li>6. Leave empty some fields</li> <li>7. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Xin hãy điền đầy đủ vào những trường thông tin bắt buộc”.</li> <li>- “Bảng giá mặc định không hợp lệ”</li> </ul>	Tested	

TC_49	Test updating a price list	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>5. Click “Chi tiết” link</li> <li>6. Insert field's information</li> <li>7. Click “Lưu” button</li> </ol>	<p>Update Successfully New message will be displayed: “Cập nhật thành công”</p>	Tested	
TC_50	Test cancel updating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” link</li> <li>5. Click “Chi tiết” link</li> <li>6. Click “Huỷ bỏ” button</li> </ol>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý bảng giá” page</p>	Tested	
<b>Delete Price List</b>					
TC_51	Test delete price list	<ol style="list-style-type: none"> <li>1. Login the system as StadiumOwner</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Sân bóng” link</li> <li>4. Click “Bảng giá” button</li> <li>5. Click “Xóa” button</li> </ol>	<p>Price list will be deleted. Reload “Quản lý bảng giá” page</p>	Tested	

### 5.3.3. Role ‘Member’

#### 5.3.3.1. Rival

Test case No	Test case	Input	Expected Result	Status	Note
<b>Create Rival</b>					
TC_52	Create Rival	<ol style="list-style-type: none"> <li>1. Click “Sân bóng” link on “Trang chủ” page</li> <li>2. Click “Đặt sân” button in one stadium in list stadium or click on</li> </ol>	Rival create successfully	Tested	

		<p>one stadium and click “Đặt sân” button</p> <p>3. Input all information</p> <p>4. Check on “Yêu cầu tìm đội giao hữu” drop down list</p> <p>5. Click “Đặt sân” button</p>		
<b>Find Rival</b>				
TC_53	Find Rival Page	<p>1. Click “Tìm kèo” link in “Trang chủ” page</p>	“Tìm kèo” page will be shown with all reservations need rival	Tested
TC_54	Test Search in Find Rival Page	<p>1. Input information to search</p> <ul style="list-style-type: none"> <li>- Select “15/03/2014” in “Thời gian đá” field</li> <li>- Select “Sân 5 người” in “Loại sân” drop down list</li> <li>- Input “thinh” into “Thông tin chủ kèo” field</li> </ul> <p>2. Click “Tìm kiếm” button in to find one team in list of available teams</p>	Reservations of user have user name or full name is “thinh”, booked field type is “Sân 5 người” and booked date is “15/03/2014” are displayed	Tested
TC_55	Test Search with only input in “Thời gian đá” field	<p>1. Select “15/03/2014” in “Thời gian đá” field</p> <p>2. Click “Tìm kiếm” button</p>	Reservations need rival in 15/03/2014 are displayed	Tested
TC_56	Test Search with only input in “Loại sân” field	<p>1. Select “Sân 5 người” in “Loại sân” drop down list</p> <p>2. Click “Tìm kiếm” button</p>	Reservations need rival have field type is “Sân 5 người” are displayed	Tested

TC_57	Test Search with only input in “Thông tin chủ sân” field	1. Input “thinh” into “Thông tin chủ sân” field 2. Click “Tìm kiếm” button	Reservations need rival of user have user name or full name is “thinh” are displayed	Tested	
TC_58	Reload all Rivals	1. Click “Xem tất cả” button	Reload list of all Rivals	Tested	
TC_59	Join Rival Page	1. Click “Tìm kèo” link in “Trang chủ” page 2. Click team want to book 3. Click “Chi tiết” button	“Thông tin chi tiết kèo đá bóng” page will be shown	Tested	
TC_60	Test Find Rival Successful successfully	1. Click “Tìm kèo” link in “Trang chủ” page 2. Click team want to book 3. Click “Chi tiết” button 4. Choose “Có” in “Bạn muốn cá kèo này” drop down list 5. Input all information 6. Click “Cá kèo” button	Find rival successfully Redirect to “Tìm kèo” page	Tested	

#### 5.3.3.2. Book Field

Test case No	Test case	Input	Expected Result	Status	Note
<b>Book Field</b>					
TC_61	Book Field Page	1. Click “Sân bóng” link on “Trang chủ” page 2. Click “Đặt sân” button in one stadium in list stadium or click on one stadium and click “Đặt sân” button	“Đặt sân” page will be shown	Tested	

TC_62	Test Book Field Available validation Blank Field	1. Click “Đặt sân” button in one stadium in list stadium 2. Click “Đặt sân” button	Error message will be displayed: “Bạn phải dùng mẫu bên dưới để đặt sân”	Tested	
TC_63	Test Book Field Available validation Blank Field	1. Do not input information for any field 2. Click “Đặt sân” button	Error message will be displayed: “Yêu cầu nhập nội dung”	Tested	
TC_64	Test Book Field Successful successfully	1. Input information in all field 2. Click “Đặt sân” button	Book Field successfully. New message will be displayed : “Bạn đã đặt sân thành công. Mã số xác nhận của bạn là : abcxyz”	Tested	
TC_65	Test cancel BookField	1. Click “Hủy bỏ” button	Discard recent action Redirect to “Trang chủ” page	Tested	
<b>Cancel Reservation</b>					
TC_66	Booking History Page	On Account bar 1. Click your account 2. Click “Lịch sử đặt sân” link	“Lịch sử đặt sân” page will be shown	Tested	
TC_67	Test Edit Reservation	1. Click your account 2. Click “Lịch sử đặt sân” link 3. Click “Chỉnh sửa” link in the reservation you want to edit	“Chỉnh sửa thông tin đặt sân” page will be shown with input information of search	Tested	
TC_68	Test Edit Reservation Successfully	1. Click your account 2. Click “Lịch sử đặt sân” link 3. Click “Chỉnh sửa” link in the reservation you want to edit 4. Change information in “Tên người đặt” or “Số điện thoại” or	Update successfully New message will be displayed: “Cập nhật thành công”	Tested	

		“E-mail” text box which you want to change 5. Click “Lưu” button			
TC_69	Test Cancel Reservation	1. Click your account 2. Click “Lịch sử đặt sân” link 3. Click “Chỉnh sửa” link in the reservation you want to cancel 4. Click “Hủy đặt sân” button	Delete that reservation New message will be displayed: “Phiên đặt sân đã được hủy”	Tested	
TC_70	Cancel the edit reservation	1. Click your account 2. Click “Lịch sử đặt sân” link 3. Click “Chỉnh sửa” link in the reservation you want to cancel 4. Click “Hủy bỏ” button	Discard recent action Redirect to “Lịch sử đặt sân” page	Tested	
<b>View Reservation History</b>					
TC_71	Booking History Page	On Account bar 1. Click your account 2. Click “Lịch sử đặt sân” after book field in “Đặt sân” page	“Lịch sử đặt sân” page will be shown	Tested	

#### 5.3.4. Role “StadiumStaff”

##### 5.3.4.1. Reservation Management

Test case No	Test case	Input	Expected Result	Status	Note
<b>View List Reservations</b>					
TC_72	Test viewing “Quản lý đơn đặt sân” form	1. Login the system as StadiumStaff 2. Click “Quản lý sân bóng” link 3. Click “Đặt sân” link 4. Click stadium you want to view reservations	“Quản lý đơn đặt sân” page is displayed as list with the following informations: - “Tên khán hàng” - “Số điện thoại” - “Số sân” - “Thời gian đặt sân” - “Thời lượng” - “Trạng thái”	Tested	

			- “Chi tiết” button & “Thêm đơn đặt sân” button	
<b>Create Reservation</b>				
TC_73	Test creating a reservation with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Leave empty some fields</li> <li>6. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Yêu cầu tên phải từ 1 đến 30 ký tự”</li> <li>- “Yêu cầu phải nhập đúng số điện thoại”</li> </ul>	Tested
TC_74	Test creating a reservation with wrong email	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Input customer information <ul style="list-style-type: none"> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> <li>+ Select “16:30” into “Giờ đặt” field</li> </ul> </li> </ul> </li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Email không chính xác”</li> </ul>	Tested

		<ul style="list-style-type: none"> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Không” in “Cần đội thủ” drop down list</li> <li>6. Click “Lưu” button</li> </ul>		
TC_75	Test creating a reservation with booking time is not available	<ul style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Input customer information <ul style="list-style-type: none"> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> <li>+ Select “19:30” into “Giờ đặt” field</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Không” in “Cần đội thủ” drop down list</li> </ul> </li> <li>6. Click “Lưu” button</li> </ul> </li> </ul>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Sân đã có được đặt vào thời gian này, vui lòng chọn thời gian khác”.</li> </ul>	Tested
TC_76	Test creating a reservation	<ul style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> </ul>	<p>Error message will be displayed:</p>	Tested

	with booking time is over	<p>3. Click “Đặt sân” link          4. Click “Thêm đơn đặt sân” button          5. Input require information            - Select “1” in “Số sân” field            - Input customer information              + Input “ABCDEF” into “Tên đầy đủ” field              + Input “1234567890” into “Số điện thoại” field              + Input “abcdef” into “Email” field              + Select “15/03/2014” into “Ngày đặt” field              + Select “16:30” into “Giờ đặt” field              + Select “90 phút” into “Thời lượng” drop down list              + Choose “Không” in “Cần đội thủ” drop down list          6. Click “Lưu” button</p>	- “Thời gian đặt sân đã kết thúc, vui lòng chọn thời gian khác”.		
TC_77	Test updating a reservation with booking time is too near real time	<p>1. Login the system as StadiumStaff          2. Click “Quản lý sân bóng” link          3. Click “Đặt sân” link          4. Click “Thêm đơn đặt sân” button          5. Input require information            - Select “1” in “Số sân” field            - Input customer information              + Input “ABCDEF” into “Tên đầy đủ” field</p>	Error message will be displayed: - “Thời gian đặt sân phải muộn hơn thời gian hiện tại ít nhất 1 giờ”.	Tested	

		<ul style="list-style-type: none"> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef” into “Email” field</li> <li>+ Select “06/03/2014” into “Ngày đặt” field and today is “06/03/2012”</li> <li>+ Select “12:30” into “Giờ đặt” field and now is 12:00</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Không” in “Cần đổi thủ” drop down list</li> <li>6. Click “Lưu” button</li> </ul>		
TC_78	Test updating a reservation with booking time isn't support by stadium	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Input customer information <ul style="list-style-type: none"> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> </ul> </li> </ul> </li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Sân không phục vụ thời gian này”.</li> </ul>	Tested

		<ul style="list-style-type: none"> <li>+ Select “1:30” into “Giờ đặt” field</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Không” in “Cần đối thủ” drop down list</li> <li>6. Click “Lưu” button</li> </ul>		
TC_79	Test creating a reservation with accept “Cần đối thủ” with blank rival information	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Input customer information <ul style="list-style-type: none"> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> <li>+ Select “16:30” into “Giờ đặt” field</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Có” in “Cần đối thủ” drop down list</li> </ul> </li> <li>6. Click “Lưu” button</li> </ul> </li> </ol>	Redirect to “Xem đơn đặt sân” page of new “Đơn đặt sân” is created	Tested

TC_80	Test creating a reservation with blank rival information with “Đã xác nhận” in “Trạng thái” drop down list of “Thông tin đối thủ” area	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information           <ul style="list-style-type: none"> <li>- Input customer information</li> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef@ghi.jk” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> <li>+ Select “16:30” into “Giờ đặt” field</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Có” in “Cần đối thủ” drop down list</li> <li>- Input rival information</li> <li>+ Input “ABC123” into “Tên đầy đủ” field</li> <li>+ Input “123456789” into “Số điện thoại” field</li> <li>+ Input “abc123@def.ghi” into “Email” field</li> <li>+ Select “Đã xác nhận” in “Trạng thái” drop down list of “Thông tin đối thủ” area</li> </ul> </li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Yêu cầu tên phải từ 1 đến 30 ký tự”</li> <li>- “Yêu cầu phải nhập đúng số điện thoại”</li> </ul>	Tested	
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		6. Click "Lưu" button		
TC_81	Test creating a reservation with fill all fields of rival information with "Đang chờ" in "Trạng thái" drop down list of "Thông tin đối thủ" area	1. Login the system as StadiumStaff 2. Click "Quản lý sân bóng" link 3. Click "Đặt sân" link 4. Click "Thêm đơn đặt sân" button 5. Input require information - Select "1" in "Số sân" field - Input customer information + Input "ABCDEF" into "Tên đầy đủ" field + Input "1234567890" into "Số điện thoại" field + Input "abcdef@ghi.jk" into "Email" field + Select "15/03/2014" into "Ngày đặt" field + Select "16:30" into "Giờ đặt" field + Select "90 phút" into "Thời lượng" drop down list + Choose "Có" in "Cần đối thủ" drop down list - Input rival information + Input "ABC123" into "Tên đầy đủ" field + Input "123456789" into "Số điện thoại" field	Error message will be displayed: - "Đèn trống nếu đang chờ đối thủ"	Tested

		<ul style="list-style-type: none"> <li>+ Input “abc123@def.ghi” into “Email” field</li> <li>+ Select “Đang chờ” in “Trạng thái” drop down list of “Thông tin đối thủ” area</li> <li>6. Click “Lưu” button</li> </ul>		
TC_82	Test creating a reservation	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân” button</li> <li>5. Input require information <ul style="list-style-type: none"> <li>- Select “1” in “Số sân” field</li> <li>- Input customer information <ul style="list-style-type: none"> <li>+ Input “ABCDEF” into “Tên đầy đủ” field</li> <li>+ Input “1234567890” into “Số điện thoại” field</li> <li>+ Input “abcdef@ghi.jk” into “Email” field</li> <li>+ Select “15/03/2014” into “Ngày đặt” field</li> <li>+ Select “16:30” into “Giờ đặt” field</li> <li>+ Select “90 phút” into “Thời lượng” drop down list</li> <li>+ Choose “Có” in “Cần đối thủ” drop down list</li> <li>- Input rival information</li> <li>+ Input “thinhnd” into “Đối thủ” field</li> </ul> </li> </ul> </li> </ol>	Redirect to “Xem đơn đặt sân” page of new “Đơn đặt sân” is created	Tested

		<ul style="list-style-type: none"> <li>+ Input “ABC123” into “Tên đầy đủ” field</li> <li>+ Input “123456789” into “Số điện thoại” field</li> <li>+ Input “abc123@def.ghi” into “Email” field</li> <li>6. Click “Lưu” button</li> </ul>		
TC_83	Test cancel creating action	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Thêm đơn đặt sân”</li> <li>5. Click “Huỷ” button</li> </ol>	<p>Confirm discard all recent activity is displayed Redirect to “Quản lý đơn đặt sân” page</p>	Tested
<b>Edit Reservation</b>				
TC_84	Test updating a reservation with blank fields	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Leave empty some fields</li> <li>7. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Xin vui lòng chọn ngày đặt sân”.</li> <li>- “Xin vui long chọn giờ đặt sân”.</li> <li>- “Yêu cầu tên phải từ 1 đến 30 kí tự”</li> <li>- “Yêu cầu phải nhập đúng số điện thoại”</li> </ul>	Tested
TC_85	Test updating a reservation with wrong email format	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Email không chính xác”.</li> </ul>	Tested

		<ul style="list-style-type: none"> <li>- Change value to “abcdef” in “Email” field a</li> <li>7. Click “Lưu” button</li> </ul>			
TC_86	Test updating a reservation with booking time is not available	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Change value to “15/03/2014” into “Ngày đặt” field</li> <li>- Change value to “19:30” in “Giờ đặt” field</li> </ul> </li> <li>5. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Sân đã có được đặt vào thời gian này, vui lòng chọn thời gian khác”.</li> </ul>	Tested	
TC_87	Test updating a reservation with booking time is over	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Change value to “06/03/2014” in “Ngày đặt” field</li> </ul> </li> <li>7. Click “Lưu” button</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Thời gian đặt sân đã kết thúc, vui lòng chọn thời gian khác”.</li> </ul>	Tested	
TC_88	Test updating a reservation with booking time is too	<ol style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information</li> </ol>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Thời gian đặt sân phải muộn hơn thời gian hiện tại ít nhất 1 giờ”.</li> </ul>	Tested	

	near real time	<ul style="list-style-type: none"> <li>- Change value to “15:00” in “Giờ đặt” field when real time is “14:30”</li> <li>7. Click “Lưu” button</li> </ul>		
TC_89	Test updating a reservation with booking time isn't support by stadium	<ul style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Change value to “12:00” in “Giờ đặt” field</li> </ul> </li> <li>7. Click “Lưu” button</li> </ul>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Sân không phục vụ thời gian này”.</li> </ul>	Tested
TC_90	Test updating a reservation with accept “Cần đối thủ” with blank rival information	<ul style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> <li>6. Input require information <ul style="list-style-type: none"> <li>- Choose “Có” in “Cần đối thủ” drop down list</li> <li>- Blank all fields in “Thông tin đối thủ”</li> </ul> </li> <li>7. Click “Lưu” button</li> </ul>	Redirect to “Xem đơn đặt sân” page with new “Đơn đặt sân” information is updated	Tested
TC_91	Test creating a reservation with blank rival information	<ul style="list-style-type: none"> <li>1. Login the system as StadiumStaff</li> <li>2. Click “Quản lý sân bóng” link</li> <li>3. Click “Đặt sân” link</li> <li>4. Click “Chi tiết” button</li> <li>5. Click “Chỉnh sửa” button</li> </ul>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Yêu cầu tên phải từ 1 đến 30 ký tự”</li> <li>- “Yêu cầu phải nhập đúng số điện thoại”</li> </ul>	Tested

	with “Đã xác nhận” in “Trạng thái” drop down list of “Thông tin đối thủ” area	<p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Choose “Có” in “Cần đối thủ” drop down list</li> <li>- Blank all fields in “Thông tin đối thủ”</li> <li>- Select “Đã xác nhận” in “Trạng thái” drop down list of “Thông tin đối thủ” area</li> </ul> <p>7. Click “Lưu” button</p>		
TC_92	Test creating a reservation with fill all fields of rival information with “Đang chờ” in “Trạng thái” drop down list of “Thông tin đối thủ” area	<p>1. Login the system as StadiumStaff</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Đặt sân” link</p> <p>4. Click “Chi tiết” button</p> <p>5. Click “Chỉnh sửa” button</p> <p>6. Input require information</p> <ul style="list-style-type: none"> <li>- Choose “Có” in “Cần đối thủ” drop down list</li> <li>- Input “ABCDEF” into “Tên đầy đủ” field</li> <li>- Input “1234567890” into “Số điện thoại” field</li> <li>- Select “Đang chờ” in “Trạng thái” drop down list of “Thông tin đối thủ” area</li> </ul> <p>7. Click “Lưu” button</p>	<p>Error message will be displayed:</p> <ul style="list-style-type: none"> <li>- “Đè trống nếu đang chờ đối thủ”</li> </ul>	Tested
TC_93	Test updating a reservation with status change	<p>1. Login the system as StadiumStaff</p> <p>2. Click “Quản lý sân bóng” link</p> <p>3. Click “Đặt sân” link</p> <p>4. Click “Chi tiết” button</p> <p>5. Click “Chỉnh sửa” button</p>	Redirect to “Xem đơn đặt sân” page with new “Đơn đặt sân” information	Tested

		6. Input require information - Select “Bị từ chối” in “Trạng thái” field 7. Click “Lưu” button		
TC_94	Test cancel updating action	1. Login the system as StadiumStaff 2. Click “Quản lý sân bóng” link 3. Click “Đặt sân” link 4. Click “Chi tiết” button 5. Click “Chỉnh sửa” button 6. Click “Hủy” button	Redirect to “Quản lý đơn đặt sân” page	Tested
<b>Approve Reservation</b>				
TC_95	Test deny a reservation	1. Login the system as StadiumStaff 2. Click “Quản lý sân bóng” link 3. Click “Đặt sân” link 4. Click “Chi tiết” button in “Đơn đặt sân” which you want to approve 5. Click “Xác nhận” button	Reload “Quản lý đơn đặt sân” page with “Trạng thái” of this reservation is “Đã xác nhận”	Tested
<b>Deny Reservation</b>				
TC_96	Test deny a reservation	1. Login the system as StadiumStaff 2. Click “Quản lý sân bóng” link 3. Click “Đặt sân” link 4. Click “Chi tiết” button in “Đơn đặt sân” which you want to deny 5. Click “Từ chối” button	Reload “Quản lý đơn đặt sân” page with “Trạng thái” of this reservation is “Bị từ chối”	Tested

#### 5.4. Reference Test Cases:

The following test cases are referenced to: [CD\reports\Report5.docx](#)

**Website Master:**

- Advertising Management
- Rank Managements

**Website Staff:**

- User Managements
- Advertise Management

**Stadium Staff:**

- Promotion Management

**Member:**

- Resend Active Account By Email
- Register
- Login/Logout
- Account Managements
- Send Feedback
- Review Stadium
- Rate Stadium
- Find Stadium

**5.5. Checklist**

5.5.1. Checklist validation

N/A

5.5.2. Submission Checklist

N/A

**5.6. Other material (if any)**

N/A

## **Report No.6: Report No.6 : System User's Manual**

### **6.1. Installation Guide**

#### **6.1.1. System requirements**

- Operation system: Windows 7 (32 or 64 bit) or later
- Memory: 2G RAM or more
- Browser: Firefox v25 or later
- IIS feature is turned on

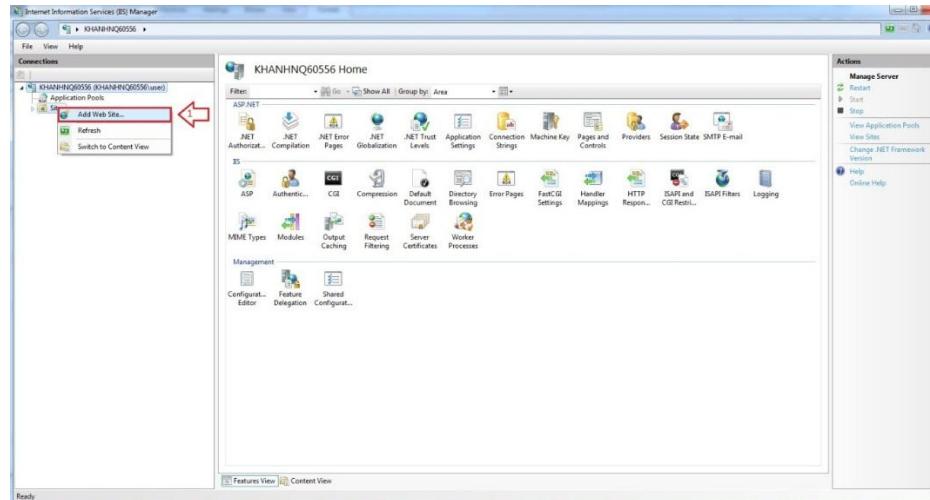
#### **6.1.2. Installation**

##### **6.1.2.1. Deploy Database**

- Run script file “~/FootballPitchesBooking/Database/FootballPitchesBooking.sql” in SQL Server Management Studio.

##### **6.1.2.2. Deploy Application**

- Open “Internet information Services (IIS) Manager”.
- Right Click “Sites” folder in left content, select “Add Web Site”.



**Figure 53: Add Website**

- Enter “Site Name”.

- Click “Select” button to select Application pool.

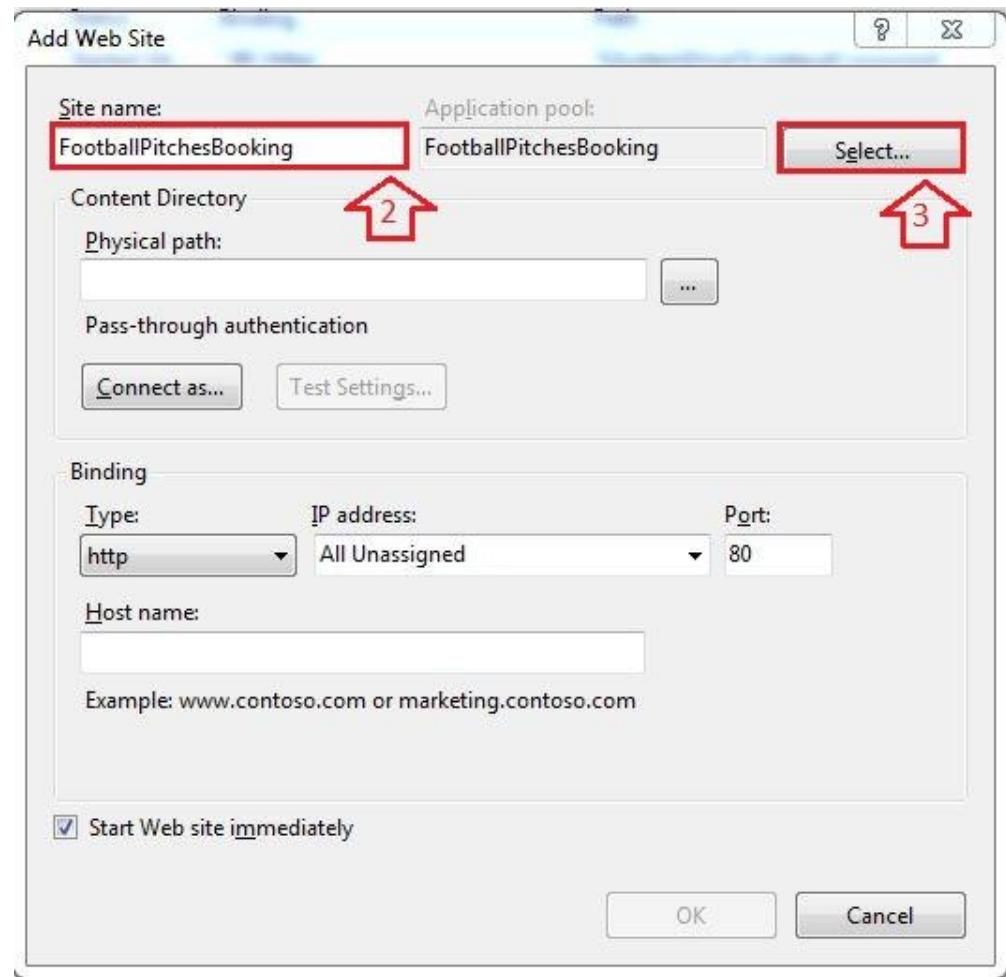


Figure 54: Add Site Name

- Select “ASP.NET v4.0”.

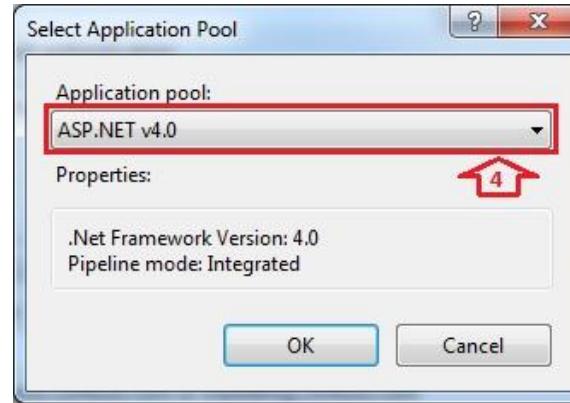


Figure 55: Select ASP.NET

- Browse physical path: “~/ FootballPitchesBooking”.

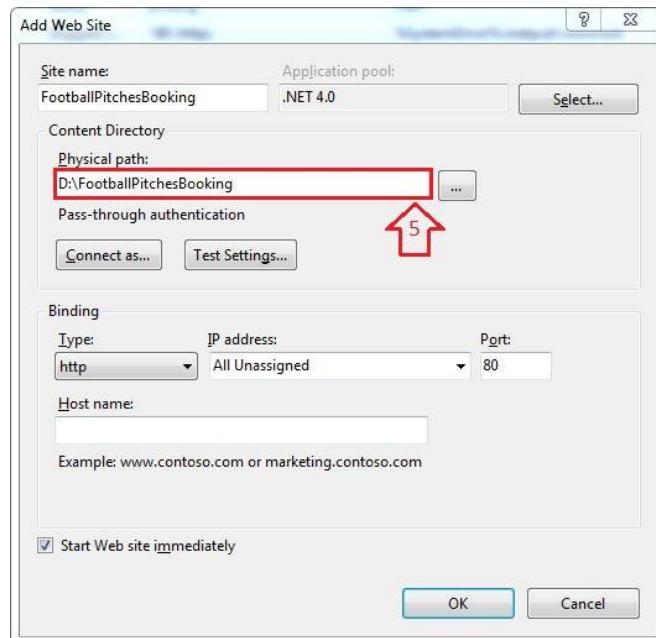


Figure 56: Add Path Link

- Open “~/ FootballPitchesBookingProject/Web.config” file by Notepad.

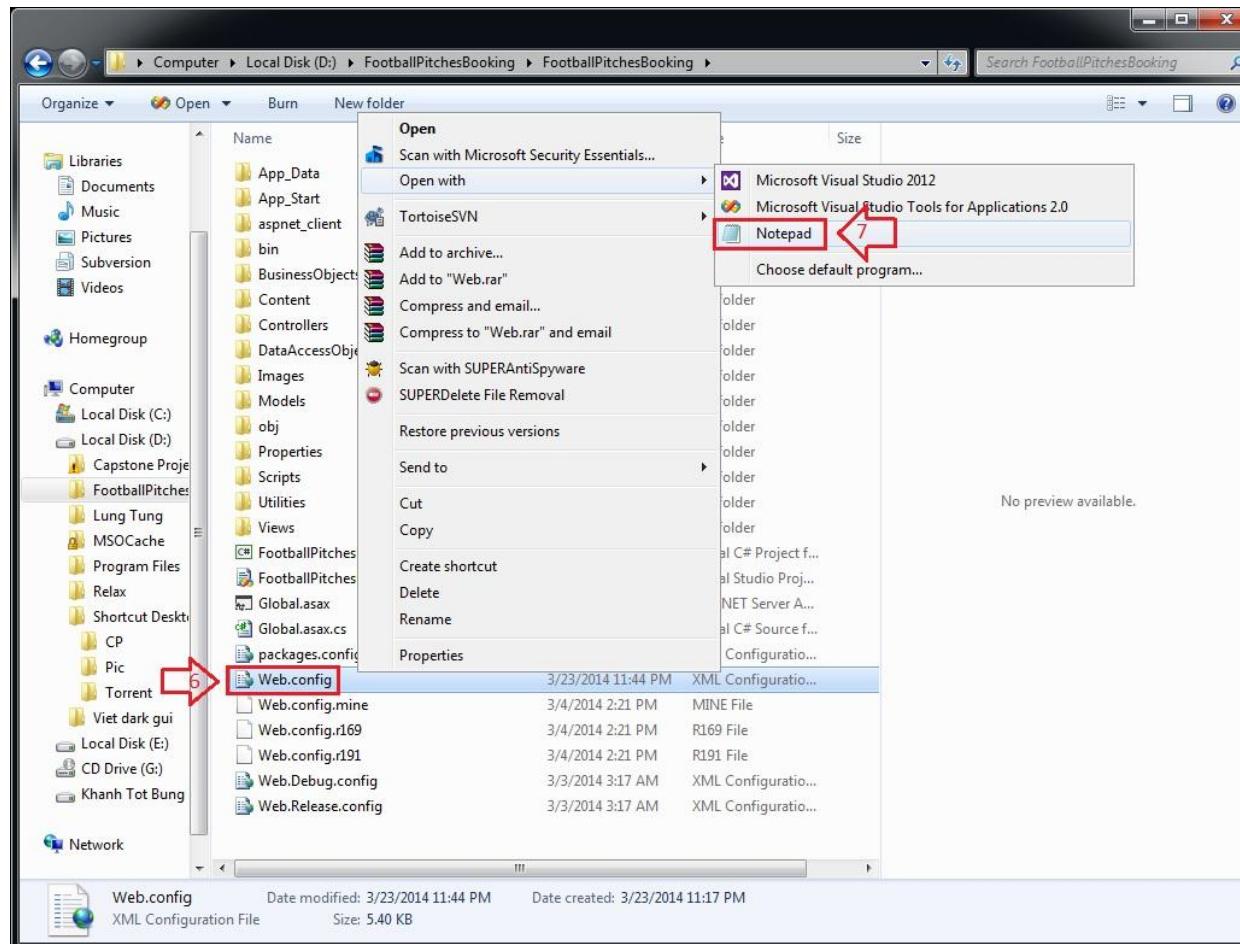
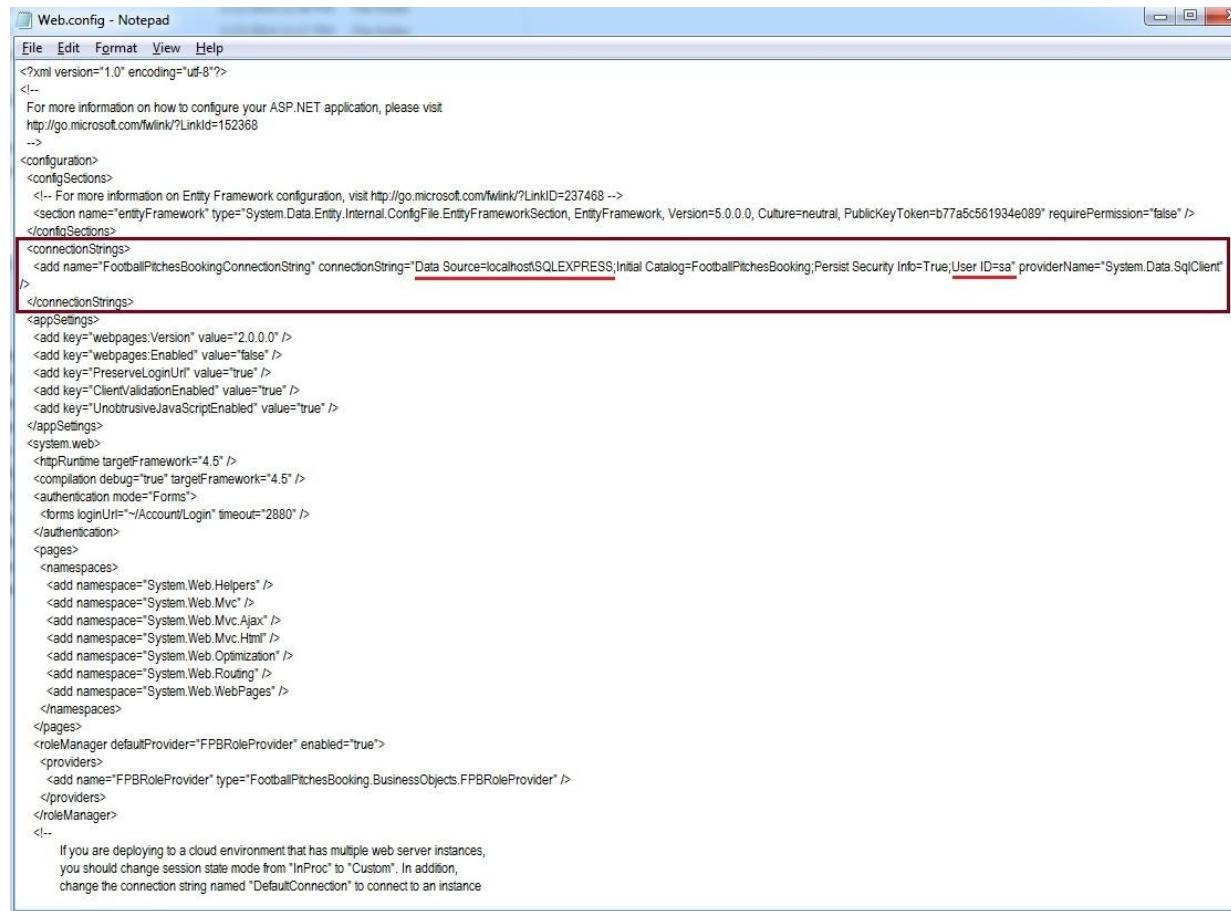


Figure 57: Edit Web.config

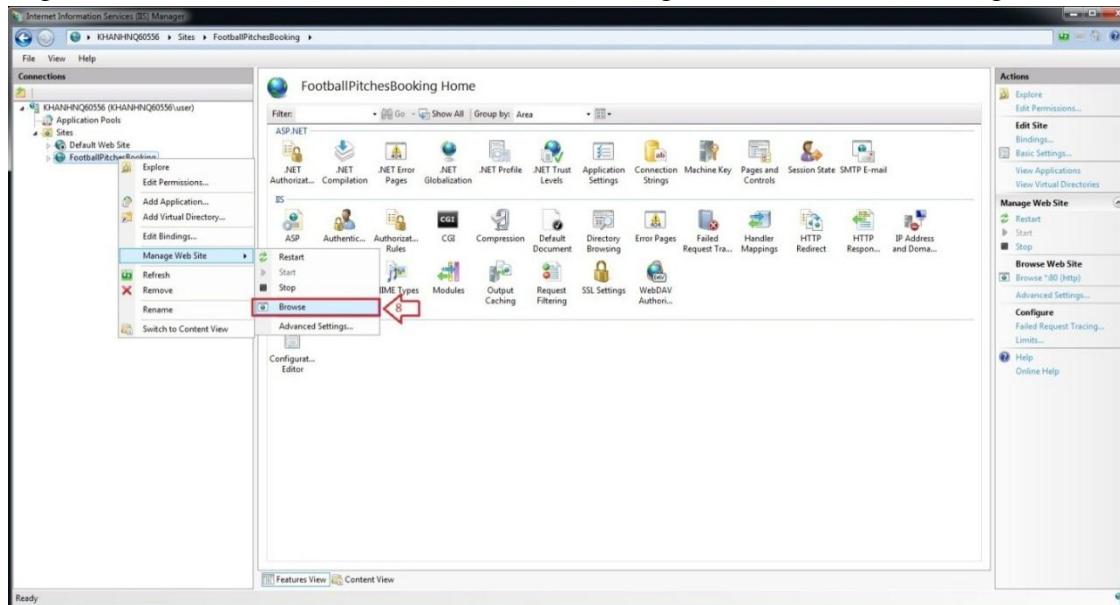
- Find “connectionStrings” tag, change “Server Name”, “User ID” and “Password” in its connection string depend on your computer.



```
<?xml version="1.0" encoding="utf-8"?>
<!--
For more information on how to configure your ASP.NET application, please visit
http://go.microsoft.com/fwlink/?LinkId=152368
-->
<configuration>
<configSections>
<!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?LinkID=237468 -->
<section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />
</configSections>
<connectionStrings>
<add name="FootballPitchesBookingConnectionString" connectionString="Data Source=localhost\SQLEXPRESS;Initial Catalog=FootballPitchesBooking;Persist Security Info=True;User ID=sa" providerName="System.Data.SqlClient" />
</connectionStrings>
<appSettings>
<add key="webpages:Version" value="2.0.0.0" />
<add key="webpages:Enabled" value="false" />
<add key="PreserveLoginUrl" value="true" />
<add key="ClientValidationEnabled" value="true" />
<add key="UnobtrusiveJavaScriptEnabled" value="true" />
</appSettings>
<system.web>
<httpRuntime targetFramework="4.5" />
<compilation debug="true" targetFramework="4.5" />
<authentication mode="Forms">
<forms loginUrl="~/Account/Login" timeout="2880" />
</authentication>
<pages>
<namespaces>
<add namespace="System.Web.Helpers" />
<add namespace="System.Web.Mvc" />
<add namespace="System.Web.Mvc.Ajax" />
<add namespace="System.Web.Mvc.Html" />
<add namespace="System.Web.Optimization" />
<add namespace="System.Web.Routing" />
<add namespace="System.Web.WebPages" />
</namespaces>
</pages>
<roleManager defaultProvider="FPBRoleProvider" enabled="true">
<providers>
<add name="FPBRoleProvider" type="FootballPitchesBooking.BusinessObjects.FPBRoleProvider" />
</providers>
</roleManager>
<!--
If you are deploying to a cloud environment that has multiple web server instances,
you should change session state mode from "InProc" to "Custom". In addition,
change the connection string named "DefaultConnection" to connect to an instance
-->
```

Figure 58: Edit Web.config

- Right Click new site name (FootballPitchesBooking) in left content -> Manage Web Site -> Browse to view the website.



**Figure 59: How to open Website**

- The website is deployed.

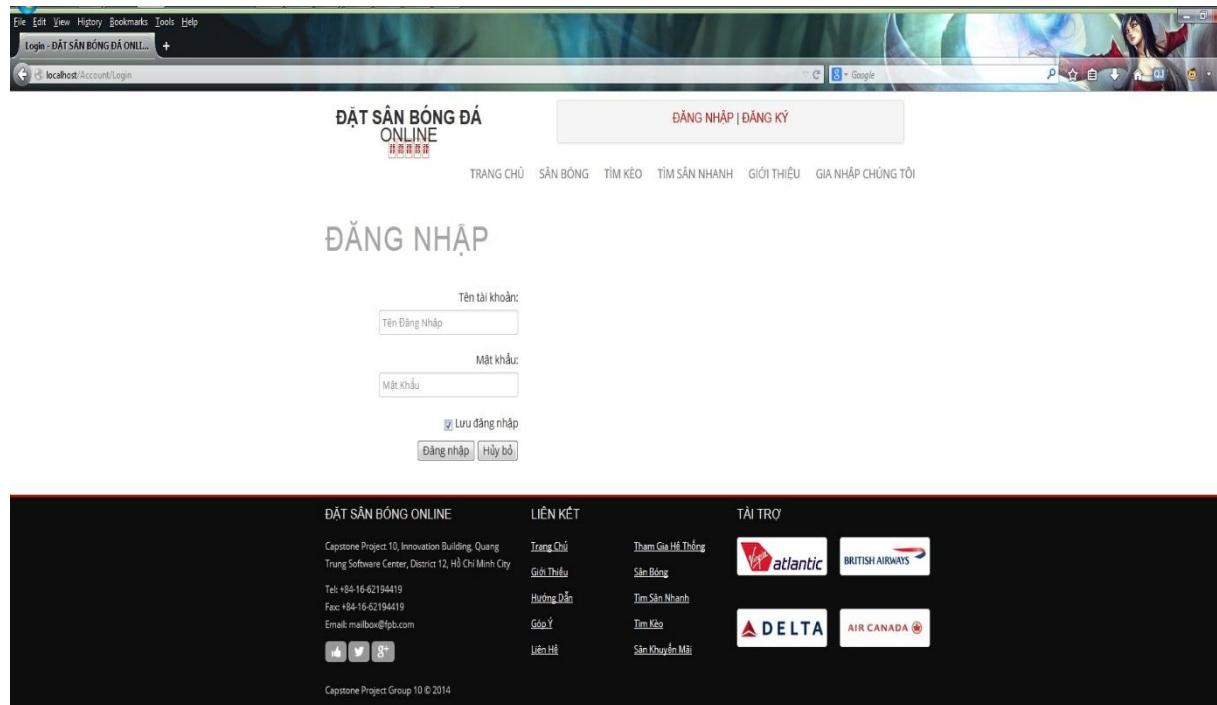


Figure 60: Website is deployed

## 6.2. User's Guide

### 6.2.1. Website Master

- Step 1 : Login with WebsiteMaster role
- Step 2 : Click “Quản Trị Website” link in Admin page



TRANG QUẢN TRỊ

Figure 61: Website Staff

#### 6.2.1.1. Join Request Management

##### 6.2.1.2. View All Join Request

- Step 1 : Click “ Tham Gia “ link to view all join request from member

The screenshot shows a website header with the text "XIN CHÀO ADMIN" and "TỚI TRANG CHỦ | ĐĂNG XUẤT". Below the header, there is a navigation bar with several tabs: "TRANG QUẢN TRỊ" (highlighted in red), "THAM GIA", "SÂN BÓNG", "ĐÁNH GIÁ", "THÀNH VIÊN", "CẤP BẮC", "QUẢNG CÁO", and "GÓI Ý SÂN".

### QUẢN LÝ YÊU CẦU THAM GIA HỆ THỐNG

TÊN TÀI KHOẢN	HỌ VÀ TÊN	ĐỊA CHỈ	SỐ ĐIỆN THOẠI	TÊN SÂN BÓNG	ĐỊA CHỈ SÂN	TRẠNG THÁI	
khanhnq	aaaaaaa	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	123456789	aaa	aaa, aaaaaa, Q. 1	MỚI	Chỉnh sửa   Xóa
khanhnq	aaaaaaa	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	123456789	Khanh San	Phan Chu Trinh, Ba Tư, Q. 1	MỚI	Chỉnh sửa   Xóa

Figure 62: View Join System Requests

#### 6.2.1.3. Stadium Management

##### 6.2.1.3.1. View All Stadiums

- Step 1 : Click “ Sân Bóng “ link to view all stadiums

## QUẢN LÝ SÂN BÓNG

THÊM SÂN MỚI

Tên Sân Bóng	Địa Chỉ	Số Điện Thoại	Ngày Hết Hạn	Trạng Thái	
Phương Đô	TB 1, AB 1, Q. 1	0123456789	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Chảo Lửa	TB, ABC, 1	0987765431	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam 2	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam 3	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam 4	44/5 Phạm Văn Chiêu, 9, Q. 2	01662194419	1/1/2015	Chưa Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam 5	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	1/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Phương Nam 6	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	1/1/2015	Chưa Hoạt Động	<a href="#">Chỉnh Sửa</a>
K334	69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	01662194419	3/16/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>
Sân Thông Nhất	33/3 A Thông Nhất, P. 10, Q. Gò Vấp	0135792468	7/1/2015	Đang Hoạt Động	<a href="#">Chỉnh Sửa</a>

Figure 63: View All Stadiums

### 6.2.1.3.2. Add New Stadium

- Step 1 : Click “ Thêm Sân Mới “ link
- Step 2 : Input all required fields
- Step 3 : Click “ Thêm Sân Mới” button to add new stadium or click “ Hủy Bỏ “ button to cancel

## THÊM SÂN BÓNG

### Thông tin cơ bản

Tên sân bóng	Chủ sân	Ngày hết hạn
<input type="text" value="Tên sân bóng"/>	<input type="text" value="Chủ sân"/>	<input type="text" value="14/04/2014"/>
Trạng thái hoạt động	Số điện thoại sân	E-mail sân
<input type="text" value="Đang hoạt động"/>	<input type="text" value="Số điện thoại sân"/>	<input type="text" value="E-mail sân"/>

### Địa chỉ sân bóng

Đường	Phường	Quận
<input type="text" value="Đường"/>	<input type="text" value="Phường"/>	<input type="text" value="Q.1"/>

### Giờ hoạt động

Từ  ⏺ Đến  ⏺

### Hình ảnh sân

Thêm hình sân  
 No file chosen

Figure 64: Add New Stadium

### 6.2.1.3.3. Edit Stadium

- Step 1 : Click “ Chính Sửa “ link
- Step 2 : Change information of field which you want to change
- Step 3 : Click“ Lưu” button to save the information of member or click “ Hủy Bỏ “ button to cancel

ĐẶT SÂN BÓNG ĐÁ  
ONLINE  
THAM GIA | SÂN BÓNG | ĐÁNH GIÁ | THÀNH VIÊN | CẤP BẬC | QUẢNG CÁO | GỢI Ý SÂN

XIN CHÀO ADMIN  
TỚI TRANG CHỦ | ĐĂNG XUẤT

TRANG QUẢN TRỊ

### THÊM SÂN BÓNG

#### Thông tin cơ bản

Tên sân bóng	Chủ sân	Ngày hết hạn
<input type="text" value="Tên sân bóng"/>	<input type="text" value="Chủ sân"/>	<input type="text" value="14/04/2014"/>
Trạng thái hoạt động	Số điện thoại sân	E-mail sân
<input type="button" value="Đang hoạt động"/>	<input type="text" value="Số điện thoại sân"/>	<input type="text" value="E-mail sân"/>

#### Địa chỉ sân bóng

Đường	Phường	Quận
<input type="text" value="Đường"/>	<input type="text" value="Phường"/>	<input type="text" value="Q. 1"/>

#### Giờ hoạt động

Từ  ⏺ Đến  ⏺

#### Hình ảnh sân

Thêm hình sân  
 No file chosen

Lưu ⏺ Huỷ bỏ

Figure 65: Edit Stadium

#### 6.2.1.4. User Management

##### 6.2.1.4.1. View List Members

- Step 1: Choose “ Thành Viên “ link to view all members of the website

The screenshot shows a web application interface for managing users. At the top, there is a header with the text "XIN CHÀO ADMIN", "TÓI TRANG CHỦ | ĐĂNG XUẤT", and a logo for "ĐẶT SÂN BÓNG ĐÁ ONLINE" with the Vietnamese flag. Below the header, there is a navigation bar with links: THAM GIA, SÂN BÓNG, ĐÁNH GIÁ, **THÀNH VIÊN** (which is highlighted in red), CẤP BẬC, QUẢNG CÁO, and GỌI Ý SÂN. The main title "QUẢN LÝ THÀNH VIÊN" is displayed prominently. Below the title, there is a search bar with the placeholder "Tên đăng nhập hoặc tên đầy đủ", a "Tim kiếm" button, and a "Xem tất cả" button. A table lists seven user entries:

THÀNH VIÊN	TÊN ĐẦY ĐỦ	ĐỊA CHỈ	E-MAIL	QUYỀN HẠN
admin	Admin	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	admin@fpb.com	
phuongnd	Nguyễn Duy Phương	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	phuongnd@gm.com	
tester01	Nguyễn Tết Tơ	15 PVD, Quận 1, TP.Hồ Chí Minh	tester01@gmail.com	
khanhnq	aaaaaaaa	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	aaaa@acc.com	
aaaaaaaa	zczcxczxc	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	abc@abc.cba	
bbbbbbbbbb	rtyuiolkjhg	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	sdfg@dfgh.vbc	

Figure 66: View Add Users

#### 6.2.1.4.2. Search Members

- Step 1 : Click the textbox beside Search Button in “ Quản Lý Người Sử Dụng “ page
- Step 2 : Input name of member you want to find
- Step 3 : Click“ Tim Kiếm “ button to find
- Step 4 : Click“ Làm Mới “ to refresh member list.

The screenshot shows the 'QUẢN LÝ THÀNH VIÊN' (User Management) section of a website. At the top, there's a navigation bar with links like 'XIN CHÀO ADMIN', 'TỚI TRANG CHỦ | ĐĂNG XUẤT', 'THAM GIA', 'SÂN BÓNG', 'ĐÁNH GIÁ', 'THÀNH VIÊN' (which is highlighted in red), 'CẤP BẬC', 'QUẢNG CÁO', and 'GỢI Ý SÂN'. Below the navigation, there's a search bar with a placeholder 'Tên đăng nhập hoặc tên đầy đủ', a 'Tim kiếm' (Search) button, and a 'Xem tất cả' (View all) button. A table below lists user information:

THÀNH VIÊN	TÊN ĐẦY ĐỦ	ĐỊA CHỈ	E-MAIL	QUYỀN HẠN
phuongnd	Nguyễn Duy Phương	1 Tô Ký, Đông Hưng Thị trấn, Quận 12, Hồ Chí Minh	phuongnd@gm.com	

Figure 67: Search User

#### 6.2.1.4.3. Edit Members

- Step 1 : Click name of the member you want to change information
- Step 2 : Change information of field which you want to change
- Step 3 : Click “ Cập Nhật” button to save the information of member or click “ Hủy Bỏ “ button to cancel

## CHỈNH SỬA THÔNG TIN THÀNH VIÊN

### THÔNG TIN CƠ BẢN

TÊN ĐĂNG NHẬP <input type="text" value="phuongnd"/>	MẬT KHẨU <input type="text" value="MẬT KHẨU"/>	XÁC NHẬN MẬT KHẨU <input type="text" value="XÁC NHẬN MẬT KHẨU"/>
TÊN THÀNH VIÊN <input type="text" value="Nguyễn Duy Phương"/>	SỐ ĐIỆN THOẠI <input type="text" value="01662194419"/>	E-MAIL <input type="text" value="phuongnd@gm.com"/>
ĐỊA CHỈ <input type="text" value="Lâm Đồng"/>	POINT <input type="text" value="0"/>	THÚ HẠNG <input type="text" value="Beginner"/>
TRẠNG THÁI HOẠT ĐỘNG <input style="width: 100px; height: 25px; border: none; background-color: #ccc; padding: 2px 5px; margin-bottom: 5px;" type="button" value="ĐANG HOẠT ĐỘNG"/>	QUYỀN HẠN <input style="width: 100px; height: 25px; border: none; background-color: #ccc; padding: 2px 5px; margin-bottom: 5px;" type="button" value="HÃNG HẠN"/>	<input style="width: 100px; height: 30px; background-color: red; color: white; border: none; font-weight: bold; text-align: center; margin-right: 10px;" type="button" value="CẬP NHẬT"/> <input style="width: 100px; height: 30px; background-color: red; color: white; border: none; font-weight: bold; text-align: center;" type="button" value="HỦY BỎ"/>

Figure 68: Edit User

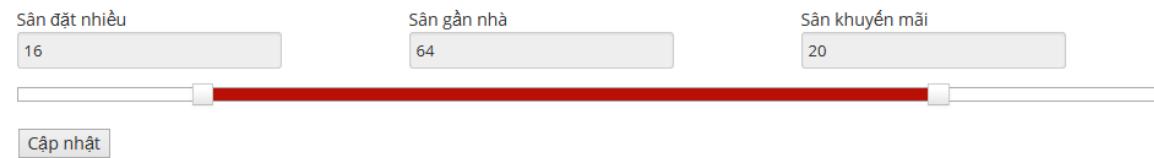
### 6.2.1.5. Recommendation Management

#### 6.2.1.5.1. View Recommendation Management Page

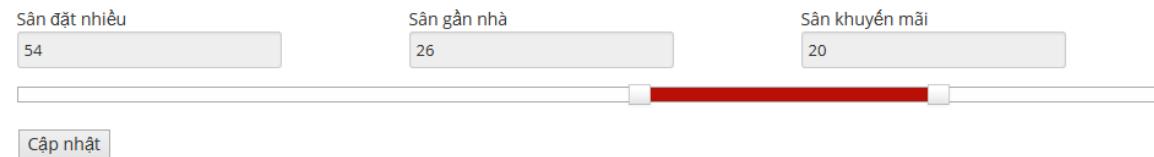
- Step 1 : Click “Gọi Ý Sân” link

## QUẢN LÝ GỢI Ý SÂN BÓNG

### SÂN TỐT NHẤT CHO BẠN



### SÂN CÓ THỂ BẠN BIẾT



### SÂN KHUYẾN MÃI

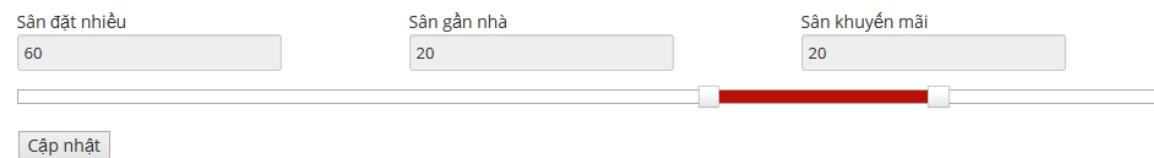


Figure 69: View Recommendation Management

#### 6.2.1.5.2. Edit in Recommendation Management Page

- Step 1 : Drag on the point to change the value of each priority
- Step 2 : Click “Cập Nhật” button to save

#### 6.2.2. Website Staff

- Step 1 : Login with WebsiteStaff role
- Step 2 : Click “Quản Trị Website” link

##### 6.2.2.1. User Management

###### 6.2.2.1.1. View Users List

- Step 1: Click “Thành Viên” link to view all members of the website

The screenshot displays the 'QUẢN LÝ THÀNH VIÊN' (User Management) section of a website. At the top, there is a navigation bar with links like 'THAM GIA', 'SÂN BÓNG', 'ĐÁNH GIÁ', 'THÀNH VIÊN' (which is highlighted in red), 'CẤP BẬC', 'QUẢNG CÁO', and 'GÓI Ý SÂN'. Below the navigation, there is a search bar with fields for 'Tên đăng nhập hoặc tên đầy đủ', 'Tim kiếm' (Search), and 'Xem tất cả' (View all). The main content area shows a table with the following data:

THÀNH VIÊN	TÊN ĐẦY ĐỦ	ĐỊA CHỈ	E-MAIL	QUYỀN HẠN
admin	Admin	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	admin@fpb.com	
phuongnd	Nguyễn Duy Phương	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	phuongnd@gm.com	
tester01	Nguyễn Tết Tờ	15 PVD, Quận 1, TP.Hồ Chí Minh	tester01@gmail.com	
khanhng	aaaaaaa	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	aaaa@acc.com	
aaaaaaaa	zczcxzxzcxc	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	abc@abc.cba	
bbbbbbbbbb	rtyuiolkjhg	1 Tô Ký, Đông Hưng Thuận, Quận 12, Hồ Chí Minh	sdfg@dfgh.vbc	

Figure 70: View Users List

#### 6.2.2.1.2. Search User

- Step 1 : Click the textbox beside Search Button in “ Quản Lý Người Sử Dụng “ page
- Step 2 : Input name of member you want to find
- Step 3 : Click“ Tim Kiếm “ button to find
- Step 4 : Click“ Làm Mới “ to refresh member list.

The screenshot shows the 'QUẢN LÝ THÀNH VIÊN' (Member Management) section of a website. At the top right, there are links for 'XIN CHÀO ADMIN', 'TỚI TRANG CHỦ | ĐĂNG XUẤT'. Below that is a navigation bar with tabs: 'THAM GIA', 'SÂN BÓNG', 'ĐÁNH GIÁ', 'THÀNH VIÊN' (which is highlighted in red), 'CẤP BẬC', 'QUẢNG CÁO', and 'GỌI Ý SÂN'. On the left, there's a sidebar with 'TRANG QUẢN TRỊ' and some icons. The main content area has a search form with a text input 'Tên đăng nhập hoặc tên đầy đủ', a 'Tim kiếm' (Search) button, and a 'Xem tất cả' (View all) button. Below the search form is a table showing member details:

THÀNH VIÊN	TÊN ĐẦY ĐỦ	ĐỊA CHỈ	E-MAIL	QUYỀN HẠN
phuongnd	Nguyễn Duy Phương	1 Tô Ký, Đông Hưng Thị trấn, Quận 12, Hồ Chí Minh	phuongnd@gm.com	

Figure 71: Search User

#### 6.2.2.1.3. Edit User

- Step 1 : Click name of the member who you want to change information
- Step 2 : Change information of field which you want to change
- Step 3 : Click “ Cập Nhật” button to save the information of member or click “ Hủy Bỏ “ button to cancel

## CHỈNH SỬA THÔNG TIN THÀNH VIÊN

### THÔNG TIN CƠ BẢN

TÊN ĐĂNG NHẬP <input type="text" value="phuongnd"/>	MẬT KHẨU <input type="text" value="MẬT KHẨU"/>	XÁC NHẬN MẬT KHẨU <input type="text" value="XÁC NHẬN MẬT KHẨU"/>
TÊN THÀNH VIÊN <input type="text" value="Nguyễn Duy Phương"/>	SỐ ĐIỆN THOẠI <input type="text" value="01662194419"/>	E-MAIL <input type="text" value="phuongnd@gm.com"/>
ĐỊA CHỈ <input type="text" value="Lâm Đồng"/>		
POINT <input type="text" value="0"/>	THÚ HẠNG <input type="text" value="Beginner"/>	
TRẠNG THÁI HOẠT ĐỘNG <input style="width: 100px; height: 25px; border: none; background-color: #ccc; padding: 2px 5px;" type="button" value="ĐANG HOẠT ĐỘNG"/>	QUYỀN HẠN <input style="width: 100px; height: 25px; border: none; background-color: #ccc; padding: 2px 5px;" type="button" value="Quyền Hạn"/>	
<input style="width: 100px; height: 30px; background-color: #e63366; color: white; border: none; border-radius: 5px; font-weight: bold; font-size: 12px; margin-right: 10px;" type="button" value="CẬP NHẬT"/> <input style="width: 100px; height: 30px; background-color: #e63366; color: white; border: none; border-radius: 5px; font-weight: bold; font-size: 12px;" type="button" value="HỦY BỎ"/>		

Figure 72: Edit User

### 6.2.3. Stadium Staff

- Step 1 : Login with Stadium Staff role
- Step 2 : Click “Quản Lý Sân Bóng ” link

## QUẢN LÝ SÂN BÓNG

### TRANG SÂN BÓNG

Hỗ trợ bạn quản lý sân bóng của bạn. Nếu bạn là chủ sân bạn có thể thay đổi thông tin về sân, cập nhật giá cả cho các sân, thêm sân vào các hệ thống sân của bạn.

### TRANG ĐẶT SÂN

Hỗ trợ bạn quản lý việc đặt các sân trong hệ thống của bạn, bạn có thể tự đặt sân của bạn, xem thông tin đặt sân, cập nhật lại thông tin đặt sân cũng như chấp nhận hay từ chối yêu cầu đặt sân.

### TRANG KHUYẾN MÃI

Hỗ trợ bạn quản lý các khuyến mãi đối với sân bóng của bạn.

**Figure 73: Stadium Management**

#### 6.2.3.1. Reservation Management

##### 6.2.3.1.1. View All Reservations

- Step 1 : Click “Đặt Sân” link to view all reservations

## QUẢN LÝ ĐẶT SÂN

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

Phương Đô
Chảo Lửa
Phuong Nam
Phuong Nam 2
Phuong Nam 3
Phuong Nam 4
Phuong Nam 5
Phuong Nam 6
K334
Sân Thông Nhất

THÊM ĐƠN ĐẶT SÂN

TÊN KHÁCH HÀNG	SỐ ĐIỆN THOẠI	SỐ SÂN	THỜI GIAN ĐẶT SÂN	THỜI LƯỢNG	TRẠNG THÁI	
Nguyễn Duy Phương	01662194419	1	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2A	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2B	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	1	17:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2A	17:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>

Figure 74: View Reservations

### 6.2.3.1.2. Create Reservation

- Step 1 : Click “ Thêm Đơn Đặt Sân “ button in “ Quản Lý Đặt Sân “ page
- Step 2: Input in all required fields
- Step 3: Click “ Lưu” button to add new price list or click “ Hủy Bỏ “ button to cancel

## THÊM ĐƠN ĐẶT SÂN

### THÔNG TIN ĐẶT SÂN

SỐ SÂN

 ▼

HỆ THỐNG SÂN K334

NGÀY ĐẶT

GIỜ ĐẶT

 ⌚

THỜI LƯỢNG

 ▼

### THÔNG TIN KHÁCH HÀNG

TÊN KHÁCH HÀNG

TÊN ĐẦY ĐỦ

SỐ ĐIỆN THOẠI

E-MAIL

ĐỐI THỦ

 ▼

TRẠNG THÁI

 ▼

### THÔNG TIN ĐỐI THỦ

TÊN ĐỐI THỦ

TÊN ĐẦY ĐỦ

SỐ ĐIỆN THOẠI

E-MAIL

TRẠNG THÁI

 ▼

Lưu

Hủy bỏ

Figure 75: Create Reservation

#### 6.2.3.1.3. Confirm Reservation

- Step 1 : Click “ Chi tiết “ link of the reservation which you want to examine
- Step 2 : Click “Xác Nhận” button to confirm or Click “Từ Chối” to deny or Click “Chỉnh Sửa“ to edit reservation or Click “Quay Lại“ to cancel



Figure 76: Confirm Reservation

#### 6.2.3.1.4. Edit Reservation

- Step 1 : Click “ Chỉnh Sửa “ button to edit reservation which you want to change
- Step 2: Change information about that reservation

- Step 3: Click “Lưu” button to save or click “Hủy bỏ” to cancel

ĐẶT SÂN BÓNG ĐÁ  
ONLINE

XIN CHÀO PHUONGND  
TỚI TRANG CHỦ | ĐĂNG XUẤT

TRANG QUẢN LÝ SÂN

HƯỚNG DẪN SÂN BÓNG **ĐẶT SÂN** KHUYẾN MÃI

CHỈNH SỬA THÔNG TIN ĐƠN ĐẶT SÂN

**THÔNG TIN ĐẶT SÂN**

SỐ SÂN	HỆ THỐNG SÂN K334 69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	
NGÀY ĐẶT	GIỜ ĐẶT	THỜI LƯỢNG
25/03/2014	15:00	60 phút

**THÔNG TIN KHÁCH HÀNG**

TÊN KHÁCH HÀNG	SỐ ĐIỆN THOẠI	E-MAIL
phuongnd	01662194419	phuongnd@gm.com
TÊN ĐẦY ĐỦ	TRẠNG THÁI	
Nguyễn Duy Phương	Đang chờ xét	
ĐỒI THÚ		
Không		

**Lưu** **Hủy bỏ**

Figure 77: Edit Reservation

#### 6.2.4. Stadium Owner

- Step 1 : Login with StadiumOwner role
- Step 2 : Click “Quản Trị Sân Bóng” link

## QUẢN LÝ SÂN BÓNG

### TRANG SÂN BÓNG

Hỗ trợ bạn quản lý sân bóng của bạn. Nếu bạn là chủ sân bạn có thể thay đổi thông tin về sân, cập nhật giá cả cho các sân, thêm sân vào các hệ thống sân của bạn.

### TRANG ĐẶT SÂN

Hỗ trợ bạn quản lý việc đặt các sân trong hệ thống của bạn, bạn có thể tự đặt sân của bạn, xem thông tin đặt sân, cập nhật lại thông tin đặt sân cũng như chấp nhận hay từ chối yêu cầu đặt sân.

### TRANG KHUYẾN MÃI

Hỗ trợ bạn quản lý các khuyến mãi đối với sân bóng của bạn.

**Figure 78: Stadium Management**

#### 6.2.4.1. Stadium Management

##### 6.2.4.1.1. View All Stadiums

-Step 1 : Click “ Sân Bóng “ link

TÊN SÂN BÓNG	ĐỊA CHỈ		
Tên sân bóng	Địa chỉ sân bóng	Tìm kiếm	Xem tất cả
	Phương Đô	18C Cộng Hòa, 12, Q. Tân Bình	0123456789  <a href="#">Đặt sân</a>
	Chảo Lửa	18C Cộng Hòa, 12, Q. Tân Bình	0987765431  <a href="#">Đặt sân</a>
	Phương Nam	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	Phương Nam 2	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	Phương Nam 3	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	Phương Nam 4	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	Phương Nam 5	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	Phương Nam 6	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419  <a href="#">Đặt sân</a>
	K334	69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	01662194419  <a href="#">Đặt sân</a>
	Sân Thống Nhất	33/3 A Thống Nhất, P. 10, Q. Gò Vấp	0135792468  <a href="#">Đặt sân</a>

Figure 79: View Stadiums

#### 6.2.4.1.2. Edit Stadium

- Step 1 : Click “ Chỉnh sửa “ link of the stadium which you want to change
- Step 2 : Change information of field which you want to change
- Step 3 : Click “ Chọn Hình Ảnh “ button to choose new image about this stadium
- Step 4 : Click “ Lưu ” button to save or click “ Hủy bỏ ” to cancel

## CHỈNH SỬA THÔNG TIN SÂN BÓNG

### Thông Tin Cơ Bản

Tên sân bóng	Chủ sân	Ngày hết hạn
Phương Đô	phuongnd	1/1/2015
Trạng thái hoạt động	Số điện thoại sân	E-mail sân
Đang hoạt động	0123456789	PD@PD.com

### Địa Chỉ Sân

Đường	Phường	Quận
18C Cộng Hòa	12	Q. Tân Bình

### Giờ hoạt động

Từ  ⏱ Đến  ⏱

### Người Quản Lý

Tên tài khoản	Chủ sân	Nhân viên	Gỡ bỏ
phuongnd	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tên tài khoản	Chủ sân	Nhân viên	Gỡ bỏ
tester01	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nhân viên mới	Chủ sân	Nhân viên	Gỡ bỏ
Tên tài khoản	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Hình Ảnh Sân

Thêm hình ảnh  
 No file chosen



Lưu

Huỷ bỏ

Figure 80: Edit Stadium

#### 6.2.4.1.3. View Child Fields

- Step 1 : Click “ Sân Con “ link to see all child fields of this stadium

QUẢN LÝ SÂN CON				
HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH				
THÊM SÂN CON				
TÊN SÂN	KIỂU SÂN	TÊN SÂN CHA	TRẠNG THÁI HOẠT ĐỘNG	
1	5	-	Đang Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
2	7	-	Đang Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
2A	5	2	Đang Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
2B	5	2	Đang Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3	11	-	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3A	5	3	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3B	5	3	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3C	5	3	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3D	5	3	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>
3E	5	3	Không Hoạt Động	<a href="#">Chỉnh Sửa   Bảng Giá</a>

Figure 81: View Child Fields

#### 6.2.4.1.4. Add New Child Field

- Step 1 : Click “ Thêm Sân Con “ button in “ Quản Lý Sân Con “ Page
- Step 2: Input in all required fields
- Step 3: Click “ Lưu” button to add new child field or click “ Hủy Bỏ “ button to cancel

## THÊM SÂN CON

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

### THÔNG TIN CƠ BẢN

TÊN SÂN CON	TRẠNG THÁI HOẠT ĐỘNG	
<input type="text" value="TÊN SÂN CON"/>	<input type="button" value="KHÔNG HOẠT ĐỘNG"/>	
KIỂU SÂN	TÁCH TỪ SÂN	BẢNG GIÁ
<input type="button" value="5 người"/>	<input type="button" value="Sân Rời"/>	<input type="button" value="Sân 5 người"/>

**Lưu**      **Hủy bỏ**

Figure 82: Add Child Field

#### 6.2.4.1.5. Edit Child Field

- Step 1 : Click “Chỉnh sửa” link of the child field which you want to change
- Step 2 : Change information of field which you want to change
- Step 3 : Click “Lưu” button to save or click “Hủy bỏ” to cancel

## SỬA THÔNG TIN SÂN CON

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

### THÔNG TIN CƠ BẢN

TÊN SÂN CON	TRẠNG THÁI HOẠT ĐỘNG	
1	ĐANG HOẠT ĐỘNG	
KIỂU SÂN	TÁCH TỪ SÂN	BẢNG GIÁ
5 người	Sân Rời	Sân 5 người

**Lưu** **Hủy bỏ**

Figure 83: Edit Child Field

#### 6.2.4.1.6. View Price List of Child Filed

- Step 1 : Click “Bảng Giá” link of the child field which you want to see

#### 6.2.4.1.7. View Price List

- Step 1 : Click “Bảng Giá” link to see all child fields of this stadium

## QUẢN LÝ BẢNG GIÁ

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

**THÊM BẢNG GIÁ**

TÊN BẢNG GIÁ	MÔ TẢ	
Sân 5 người	bảng giá sân 5 người cho hệ thống k334	<a href="#">Chi Tiết</a>   <a href="#">Xóa</a>
Sân 11 người	Bảng giá cho sân 11 người hệ thống sân bóng k334	<a href="#">Chi Tiết</a>   <a href="#">Xóa</a>

Figure 84: View Child Fields

### 6.2.4.1.8. Add Price Table

- Step 1 : Click “ Thêm Bảng Giá “ button in “ Quản Lý Bảng Giá“ Page
- Step 2: Input in all required fields
- Step 3: Click “ Lưu” button to add new price list or click “ Hủy Bỏ “ button to cancel

## THÊM BẢNG GIÁ

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

### THÔNG TIN CƠ BẢN

TÊN BẢNG GIÁ

MÔ TẢ

### BẢNG GIÁ MẶC ĐỊNH

Thêm Khung Giờ

TỪ

ĐẾN

GIÁ 1 TIỀNG

### BẢNG GIÁ THỨ 2

Thêm Khung Giờ

TỪ

ĐẾN

GIÁ 1 TIỀNG

GỠ BỎ



### BẢNG GIÁ THỨ 3

Thêm Khung Giờ

### BẢNG GIÁ THỨ 4

Thêm Khung Giờ

### BẢNG GIÁ THỨ 5

Thêm Khung Giờ

### BẢNG GIÁ THỨ 6

Thêm Khung Giờ

### BẢNG GIÁ THỨ 7

Thêm Khung Giờ

### BẢNG GIÁ CHỦ NHẬT

Thêm Khung Giờ

Lưu Huỷ bỏ

Figure 85: Add Price Table

#### 6.2.4.2. Promotion Management

##### 6.2.4.2.1. View Promotions List

- Step 1: Click “Khuyến mãi” link in “Quản lý sân” page
- Step 2: Choose Stadium to view promotions of that stadium

XIN CHÀO PHƯƠNG NAM  
TỚI TRANG CHỦ | ĐĂNG XUẤT

ĐẶT SÂN BÓNG ĐÁ  
ONLINE  
PHƯƠNG NAM

TRANG QUẢN LÝ SÂN

HƯỚNG DẪN SÂN BÓNG ĐẶT SÂN KHUYẾN MÃI

## QUẢN LÝ KHUYẾN MÃI

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

Thêm khuyến mãi				
SỐ SÂN	THỜI GIAN KHUYẾN MÃI	GIẢM GIÁ	TRẠNG THÁI HOẠT ĐỘNG	
2	29/04/2014 - 30/04/2014	50	Đang Hoạt Động	Chỉnh Sửa
4	23/04/2014 - 25/04/2014	5	Đang Hoạt Động	Chỉnh Sửa

Figure 86: View Promotions List

##### 6.2.4.2.2. Add New Promotion

- Step 1: Click “Thêm khuyến mãi” button from “Thêm khuyến mãi” page
- Step 2: Input information about promotion
- Step 3: Click “Lưu” button to save or click “Hủy bỏ” to cancel

---

**ĐẶT SÂN BÓNG ĐÁ**  
ONLINE  
田径场  
TRANG QUẢN LÝ SÂN

XIN CHÀO PHƯƠNG NAM  
TỚI TRANG CHỦ | ĐĂNG XUẤT

HƯỚNG DẪN SÂN BÓNG ĐẶT SÂN KHUYẾN MÃI

## THÊM KHUYẾN MÃI

SỐ SÂN

1

THỜI GIAN KHUYẾN MÃI

đến

ƯU ĐÃI GIẢM GIÁ (%)

Giảm giá (%)

Lưu Hủy bỏ

Figure 87: Create Promotion

#### 6.2.4.2.3. Edit Promotion

- Step 1: Click “Chỉnh sửa” link on which promotion you want to edit
- Step 2: Change information about that promotion
- Step 3: Click “Lưu” button to save or click “Hủy bỏ” to cancel

## CHỈNH SỬA THÔNG TIN KHUYẾN MÃI

SỐ SÂN

THỜI GIAN KHUYẾN MÃI

29/04/2014	đến	30/04/2014
------------	-----	------------

ƯU ĐÃI GIẢM GIÁ (%)

(\*) Trạng thái hoạt động:

DÀNG HOẠT ĐỘNG
----------------

Lưu

Hủy bỏ

Figure 88: Edit Promotion

### 6.2.4.3. Reservation Management

#### 6.2.4.3.1. View All Reservations :

- Step 1 : Click “Đặt Sân” link to view all reservations

## QUẢN LÝ ĐẶT SÂN

HỆ THỐNG SÂN K334 : 69/96 HOÀNG HOA THÁM, 11, Q. TÂN BÌNH

Phương Đô
Chảo Lửa
Phương Nam
Phương Nam 2
Phương Nam 3
Phương Nam 4
Phương Nam 5
Phương Nam 6
K334
Sân Thông Nhất

THÊM ĐƠN ĐẶT SÂN						
TÊN KHÁCH HÀNG	SỐ ĐIỆN THOẠI	SỐ SÂN	THỜI GIAN ĐẶT SÂN	THỜI LƯỢNG	TRẠNG THÁI	
Nguyễn Duy Phương	01662194419	1	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2A	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2B	15:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	1	17:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>
Nguyễn Duy Phương	01662194419	2A	17:00 - 25/03/2014	60 phút	Đang chờ xét	<a href="#">Chi tiết</a>

Figure 89: View Reservations

### 6.2.4.3.2. Add New Reservation

- Step 1 : Click “ Thêm Đơn Đặt Sân “ button in “ Quản Lý Đặt Sân “ page
- Step 2: Input in all required fields
- Step 3: Click “ Lưu” button to add new price list or click “ Hủy Bỏ “ button to cancel

## THÊM ĐƠN ĐẶT SÂN

### THÔNG TIN ĐẶT SÂN

SỐ SÂN

HỆ THỐNG SÂN K334

NGÀY ĐẶT

GIỜ ĐẶT

THỜI LƯỢNG

### THÔNG TIN KHÁCH HÀNG

TÊN KHÁCH HÀNG

TÊN ĐẦY ĐỦ

SỐ ĐIỆN THOẠI

E-MAIL

ĐỐI THỦ

TRẠNG THÁI

### THÔNG TIN ĐỐI THỦ

TÊN ĐỐI THỦ

TÊN ĐẦY ĐỦ

SỐ ĐIỆN THOẠI

E-MAIL

TRẠNG THÁI

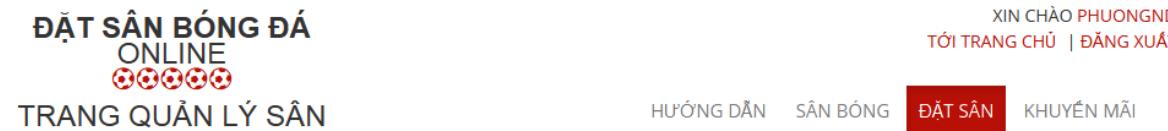
Lưu

Hủy bỏ

Figure 90: Create Reservation

#### 6.2.4.3.3. Confirm Reservation

- Step 1 : Click “ Chi tiết “ link of the reservation which you want to examine
- Step 2 : Click “Xác Nhận” button to confirm or Click “Từ Chối” to deny or Click “Chỉnh Sửa“ to edit reservation or Click “ Quay Lại “ to cancel



### CHỈNH SỬA THÔNG TIN ĐƠN ĐẶT SÂN

#### THÔNG TIN ĐẶT SÂN

SỐ SÂN	HỆ THỐNG SÂN K334	
1	69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	
NGÀY ĐẶT	GIỜ ĐẶT	THỜI LƯỢNG
25/03/2014	15:00	60 phút

#### THÔNG TIN KHÁCH HÀNG

TÊN KHÁCH HÀNG	SỐ ĐIỆN THOẠI	E-MAIL	
phuongnd	01662194419	phuongnd@gm.com	
TÊN ĐẦY ĐỦ	TRẠNG THÁI		
Nguyễn Duy Phương	Pending		
ĐỒI THÚ			
Không			
Xác nhận	Từ chối	Chỉnh sửa	Quay lại

Figure 91: Confirm Reservation

#### 6.2.4.3.4. Edit Reservation

- Step 1 : Click “ Chỉnh Sửa “ button to edit reservation which you want to change
- Step 2: Change information about that reservation

- Step 3: Click “Lưu” button to save or click “Hủy bỏ” to cancel

XIN CHÀO PHUONGND  
TỚI TRANG CHỦ | ĐĂNG XUẤT

HƯỚNG DẪN SÂN BÓNG ĐẶT SÂN KHUYẾN MÃI

CHỈNH SỬA THÔNG TIN ĐƠN ĐẶT SÂN

#### THÔNG TIN ĐẶT SÂN

SỐ SÂN

HỆ THỐNG SÂN K334

NGÀY ĐẶT

GIỜ ĐẶT

THỜI LƯỢNG

#### THÔNG TIN KHÁCH HÀNG

TÊN KHÁCH HÀNG

TÊN ĐẦY ĐỦ

SỐ ĐIỆN THOẠI

E-MAIL

ĐỒI THÚ

TRẠNG THÁI

**Lưu**

**Hủy bỏ**

Figure 92: Edit Reservation

## 6.2.5. Member

### 6.2.5.1. Find Available Stadium

- Step 1: Click “Tìm sân nhanh” link or open “Tìm sân nhanh” drop down list at “Trang chủ” page
- Step 2: Choose information
- Step 3: Click “Tìm kiếm” button to find available stadium

The screenshot shows the 'ĐẶT SÂN BÓNG ĐÁ ONLINE' website. At the top, there is a navigation bar with links: TRANG CHỦ, SÂN BÓNG, TÌM KÈO, TÌM SÂN NHANH (highlighted in red), GIỚI THIỆU, and GIA NHẬP CHÚNG TÔI. Below the navigation bar, there are three banners with the text 'LIÊN HỆ QUẢNG CÁO' over images of a soccer field.

The main search form is titled 'TÌM SÂN NHANH'. It includes fields for 'CHỌN KIỂU SÂN, NGÀY GIỜ VÀ ĐỊA ĐIỂM':

- Sân: sân 5 người (selected)
- Ngày: 06/11/2019
- Giờ: 16:00
- Bạn là chủ của 1 sân bóng?
- Bạn muôn sân bóng của bạn được hỗ trợ?
- Thời lượng: 60 phút
- Hãy đến với hệ thống sân trực tuyến của chúng tôi.
- Tỉnh/TP: Hồ Chí Minh
- Quận / Huyện: Q. 1

At the bottom right of the search form, there is a large red button labeled 'ĐẶT SÂN BÓNG ĐÁ ONLINE' and a smaller red button labeled 'Tìm kiếm'.

Figure 93: Find Available Stadium

### 6.2.5.2. Find Stadium

- Step 1 : Click “Sân bóng” link in “Trang chủ” page
- Step 2 : Input all information about the stadium you want to find

- Step 3 : Click “ TÌM KIẾM “ button to find

## HỆ THỐNG SÂN BÓNG

TÊN SÂN BÓNG	ĐỊA CHỈ
Tên sân bóng	Địa chỉ sân bóng

	TÊN SÂN BÓNG	ĐỊA CHỈ	SỐ ĐIỆN THOẠI	ĐÁNH GIÁ	
	Phương Đô	18C Cộng Hòa, 12, Q. Tân Bình	0123456789	★★★★★ ★	<input type="button" value="Đặt sân"/>
	Chảo Lửa	18C Cộng Hòa, 12, Q. Tân Bình	0987765431	★★★★★	<input type="button" value="Đặt sân"/>
	Phương Nam	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	★★★★★	<input type="button" value="Đặt sân"/>
	Phương Nam 2	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	★★★★★	<input type="button" value="Đặt sân"/>
	Phương Nam 3	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	★★★★★	<input type="button" value="Đặt sân"/>
	Phương Nam 4	44/5 Phạm Văn Chiêu, 9, Q. Gò Vấp	01662194419	★★★★★	<input type="button" value="Đặt sân"/>

Figure 94: Find Stadium

### 6.2.5.3. Book Field

- Step 1 : Click “ Sân Bóng “ link in Homepage
- Step 2 : Click “ Đặt Sân “ button on the stadium you want to book or Click the stadium which you want to book and Click “ Đặt Sân “ button
- Step 3 : Input all require information about stadium you want to book
- Step 4 : Click “ Đặt Sân “ button to book stadium or “ Hủy Bỏ “ button to cancel or “ Lưu “ button to edit “ Thông Tin Cập Nhật “

## ĐẶT SÂN

Chọn và điền đầy đủ vào mẫu bên dưới.

### Thông Tin Sân Bóng

Tên sân bóng	E-Mail	Số điện thoại
K334	k334@sambong.com	01662194419
Địa chỉ sân	69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	

### Tùy Chọn Đặt Sân

Loại sân	Ngày đá	Giờ bắt đầu
5 người	04/07/2014	19:00 <input checked="" type="radio"/>
Thời lượng	Sân Trống	
60 phút	Bấm Vào Tìm Sân Trống	<b>Tìm Sân Trống</b>

### Thông Tin Của Bạn

Họ và tên	Số điện thoại	E-Mail
aaaaaaa	123456789	aaaa@acc.com

Yêu cầu tìm đội giao hữu

**Hủy Bỏ**

**Đặt Sân**

**Figure 95: Book Field**

#### 6.2.5.4. Request Join System

- Step 1: Click “Gia nhập chúng tôi” link from home page
- Step 2: Input all require information
- Step 3: Click “Gửi yêu cầu” link to send this request or click “Trang chủ” link to back to home page

**ĐĂNG KÝ SÂN BÓNG CỦA BẠN**

Điền đầy đủ thông tin vào mẫu bên dưới để gửi yêu cầu.

Tên của bạn

Thinh Nguyen

Thông tin liên lạc

Địa chỉ E-Mail	Số điện thoại	Địa chỉ nhà
thinhnd@thinh.nd	1234567890	123-asd-fgh-jkl

Sân bóng của bạn

Tên sân

Đường

Phường

Quận

Q. 1

Yêu cầu đặc biệt

**Gửi Yêu Cầu**

**CƠ CHẾ TIẾP NHẬN**

Sau khi bạn gửi yêu cầu gia nhập với chúng tôi, chúng tôi sẽ liên lạc với bạn trong thời gian sớm nhất để xác nhận lại thông tin và thỏa thuận giữa hai bên.

Hỗ trợ : [mailbox@fpb.com](mailto:mailbox@fpb.com)  
+841662194419

Figure 96: Request Join System

#### 6.2.5.5. Join Rival

- Step 1 : Click “ Sân bóng “ link on “ Trang chủ “ page
- Step 2 : Click " Đặt Sân " button in one stadium in list stadium or lick on one stadium and click “ Đặt sân “ button
- Step 3 : Input all information
- Step 4 : Check on “ Yêu cầu tìm đội giao hữu “ drop down list
- Step 5 : Click “ Đặt sân “ button

#### ĐẶT SÂN

Chọn và điền đầy đủ vào mẫu bên dưới.

#### Thông Tin Sân Bóng

Tên sân bóng	E-Mail	Số điện thoại
K334	k334@sanbong.com	01662194419
Địa chỉ sân	69/96 Hoàng Hoa Thám, 11, Q. Tân Bình	

#### Tùy Chọn Đặt Sân

Loại sân	Ngày đá	Giờ bắt đầu
5 người	06/11/2019	17:00
Thời lượng	Sân Trống	
60 phút	Sân 1: 200,000 VNĐ	<b>Tìm sân trống</b>

#### Thông Tin Của Bạn

Họ và tên	Số điện thoại	E-Mail
aaaaaaa	123456789	aaaa@acc.com

Yêu cầu tìm đội giao hữu

**Hủy bỏ**

**Đặt sân**

Figure 97: Join Rival

#### 6.2.6. Reference Guide:

The following User guides are reference to: <CD\reports\Report6.docx>

##### **Website Master:**

- View Ranks List
- Create Rank
- Edit Rank
- Delete Ranks

##### **Website Staff:**

- View All Advertises
- Add New Advertises

##### **Stadium Staff:**

- View List Promotions
- Add New Promotion
- Edit Promotion

##### **Member:**

- Register
- Login
- View Account Profiles
- Edit Account Profiles
- View Stadium Details
- Rate Stadium
- Review Stadium
- Cancel Reservation
- Find Rival
- View Booking History
- Forgot Password
- Resend mail to activate Account
- Feedback Website

#### 6.2.7. Other [Optional]