



# Registration of Abahani Sports Club

## 1 Introduction

### *1.1 Abahani Sports Club*

Abahani Sports club is a place where people can gain athletic skills. Coaches will teach members the proper skills to make sure they will become prospective professional athletes in the future. The Abahani Sports Club is a big community that consists of coaches, members, management personnel and white-collar workers. It needs a system to manage and organize the large data and information of the members.

Abahani Sports Club is club established in 1998 located at Abahani Field, Dhanmondi, Dhaka. Currently the number of members is 530 and the number of coaches is 25. Year by year the number of members in the club will increase. As the number increase, the Club management will face a hard time to manage the data and keep the information in records properly.

Currently Abahani Sports Club is using a fully manual system. The Abahani Sports Club has two sports sections: Football and Cricket. A prospective member can apply for any one section or both of them. All the processes are manual. Also reports are created about the performance of members manually. It is time consuming and inefficient. Therefore Club Management System is to be implemented in order to help managing the data in more efficient way.

### *1.2 Description of the Problem*

Abahani Sports Club will convert its manual system to digital system phase by phase. The club wants to at first create an online registration system.

Previously prospective members would come to the office of Abahani Sports Club and collect registration form. They would fill out details and submit the form with either cash or check. Once payment has been made successfully their documents are kept for further processing. They are assigned to be trained under different coaches. Keeping physical documents takes up space and is also inefficient to be used for different purposes. For instance when an old document is required it takes lot of time to be searched. Also it becomes difficult to work manually for monthly payments and registrations for different activities. Each members have their own files and all of their records are kept in their personal files which becomes cumbersome with time.

As an initial step Abahani Sports Club wants an online registration system which will keep records of member bio-data.

## 1.3 Objectives

In this project, the solution delivered will allow to:

- Do member pre-registration
- Make online payment or enter details of bank payment
- Send preliminary login information to Member
- Allow Member to enter remaining personal details

## 2. Technology

### 2.1 Database Management System

Relational Database Management System has been chosen for database. MySQL is an open source relational Database Management System. It can be used. Club Management System requires relations between tables to be highly effective. Data is needs to be consistent across tables. There is less chance of any change in structure of tables. It also involves financials transactions such as registration payment. Also, it does not need to be highly scalable as the Abahani Sports Club is only based on the Abahani field and only local people residing near the area is only likely to join the club.

## 3. Database Design

### 3.1 Steps

The steps are given below:

1. A prospective member goes to Log In Form
2. He clicks Create New Account
3. Create New Account Form opens
4. User enters details and clicks Create and move to payment page
5. He either enters bank details or pays by Bkash
6. The Club Accountant upon receiving payment updates payment details
7. Administration checks for payments made and sends initial password to email of member. User ID is generated and then all the data from pre-registration member table is added to Member Table.
8. Member receives a generic password in their email
9. When they login they are first taken to password change form
10. After password is updated, they are taken to Additional Personal Details Form
11. After filling the form the Form is updated when user submits the form

## 3.2 Database Tables

### 1. Pre Registration Member Table

Sl No.	Field Name	Field Length	Data Type	Primary Key/ Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	Pre_ID	4	SMALLINT UNSIGNED	Primary Key AUTO_INCREMENT		N Auto generated
2	First Name	8	VARCHAR		Alphabetic	N
3	Middle Name	17	VARCHAR		Alphabetic	Y
4	Last/Surname	8	VARCHAR		Alphabetic	N
5	Contact	15	VARCHAR		Can only contain "+", "- " and numbers	N
6	Date of Birth		DATE		Age can not be less than 6	N
7	Gender	1	TINYINT UNSIGNED		Either "M", "F", or "C"	N
8	Email	25	VARCHAR		Has to have format like email.	N
9	Cric_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Cricket Schedule Table	Can be Null if Sl No. (10) is not Null
10	Foot_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Football Schedule Table	Can be Null if Sl No. (9) is not Null
11	Date of registration		DATE			N Auto generated
12	Payment_ID	8	SMALLINT UNSIGNED	Foreign Key		N
13	Added_Member		BOOL			N

## 2. Admission Payment Table

Sl No .	Field Name	Field Length	Data Type	Primary Key/ Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	Payment_ID	8	SMALLINT UNSIGNED	Primary Key AUTO_INCREMENT		N Auto generated
2	Pre_ID	4	SMALLINT UNSIGNED	Foreign Key	Has to be in Pre Registration Member Table	N
3	Payment_Confirmed		BOOL			N
4	Payment_Method	10	VARCHAR		Should be according to different options of payment	Y if Payment_Confirmed is false
5	Payment_Details	40	VARCHAR			Y if Payment_Confirmed is false
6	Payment_Date		DATE			Y if Payment_Confirmed is false
7	Coach_ID	2	SMALLINT UNSIGNED	Foreign Key	Has to be present in Coach Table	Y if Payment_Confirmed is false
8	Add_Member_Send_Password		BOOL			N
9	User_ID	5	SMALLINT UNSIGNED	Foreign Key	Has to be present in User Table	Y if Payment_Confirmed is false User_ID is immediately generated after

						Payment_Confirmed becomes true
10	Mem_ID	4	SMALLINT UNSIGNED	Foreign Key		Y if Type is not "Member" Mem_ID is immediately generated after User_ID is created

### 3. Coach Table

Sl No.	Field Name	Field Length	Data Type	Primary Key/ Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	Coach_ID	4	SMALLINT UNSIGNED	Primary Key AUTO_INCREMENT		N Auto generated
2	User_ID	5	SMALLINT UNSIGNED	Foreign Key	Has to be present in User Table	
3	First Name	8	VARCHAR		Alphabetic	N
4	Middle Name	17	VARCHAR		Alphabetic	Y
5	Last/Surname	8	VARCHAR		Alphabetic	N
6	Contact	15	VARCHAR		Can only contain "+", "-" and numbers	N
7	Date of Birth		DATE		Age can not be less than 6	N
8	Gender	1	TINYINT UNSIGNED		Either "M", "F", or "C"	N
9	Email	25	VARCHAR		Has to have format like email.	N
10	Cric_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Cricket	Can be Null if Sl No. (10) is

					Schedule Table	not Null
11	Foot_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Football Schedule Table	Can be Null if SI No. (9) is not Null
12	Date of registration		DATE			N Auto generated

#### 4. User Table

SI No.	Field Name	Field Length	Data Type	Primary Key/ Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	User_ID	4	SMALLINT UNSIGNED	Primary Key AUTO_INCREMENT		N Auto generated
2	Type	40	VARCHAR			N
3	Mem_ID	4	SMALLINT UNSIGNED	Foreign Key		Y if Type is not "Member" Mem_ID is immediately generated after User_ID is created for Member
4	Coach_ID					Y if Type is not "Coach" Coach_ID is immediately generated after User_ID is created for Coach
5	Pre_ID	4	SMALLINT UNSIGNED	Foreign Key		N Auto generated
6	Email	25	VARCHAR		Has to have	N

					format like email. It is automatically transferred from Pre Registration Member Table	
7	Password	20	VARCHAR		Has to have combination of special character, numeric character and alphabets	N

#### 5. Member Table

Sl No.	Field Name	Field Length	Data Type	Primary Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	Mem_ID	4	SMALLINT UNSIGNED	Primary Key AUTO_INCREMENT		N Auto Generated
2	User_ID	4	SMALLINT UNSIGNED	Foreign Key		N
3	Pre_ID	4	SMALLINT UNSIGNED	Foreign Key		N
4	First Name	8	VARCHAR		Alphabetic	N
5	Middle Name	17	VARCHAR		Alphabetic	Y
6	Last/Surname	8	VARCHAR		Alphabetic	N
7	Contact	15	VARCHAR		Can only contain "+", "-" and numbers	N
8	Date of Birth		DATE		Age can not be less than 6	N
9	Gender	1	TINYINT UNSIGNED		Either "M", "F", or "C"	N
10	Email	25	VARCHAR		Has to have	N

					format like email.	
11	Cric_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Cricket Schedule Table	Can be Null if SI No. (10) is not Null
12	Foot_Sched_ID	2	TINYINT UNSIGNED	Foreign Key	Has to be present in Football Schedule Table	Can be Null if SI No. (9) is not Null
13	Date of registration		DATE			N Auto generated
14	Payment_ID	8	SMALLINT UNSIGNED	Foreign Key		N
15	Profession	10	VARCHAR			N
16	Organization_name	25	VARCHAR		Has to be alphabetical	Y
17	Organization_address	40	VARCHAR			Y
18	Latest_Edu_Qual	36	VARCHAR			Y
19	Height_cm	3	SMALLINT UNSIGNED		Can't be greater than 250 and less than 60	N
20	Weight_kg	3	SMALLINT UNSIGNED		Can't be greater than 442kg and less than 16kg	N
21	Nationality	12	VARCHAR		Alphabetic	N
22	NID	13	BIGINT UNSIGNED			Y
23	Passport No.	9	VARCHAR			Y
24	Married		BOOL			N
25	Religion	10	VARCHAR		Alphabetic	N
26	Blood Group	5	VARCHAR		Alphabetic and can include "+" and "-"	N



27	Father_name	8	VARCHAR		Alphabetic	N
28	Father_profession	10	VARCHAR		Alphabetic	Y
29	Father_Contact	15	VARCHAR		Can only contain "+", "-" and numbers	Y
30	Mother_name	8	VARCHAR		Alphabetic	N
31	Mother_Profession	10	VARCHAR		Alphabetic	Y
32	Mother_Contact	15	VARCHAR		Can only contain "+", "-" and numbers	Y
33	Current_Address	40	VARCHAR			N
34	Permanent_Address	40	VARCHAR			N
35	Emergency_Name	8	VARCHAR		Alphabetic	N
35	Emergency_Relation	13	VARCHAR		Alphabetic	N
36	Emergency_Address	40	VARCHAR			N
37	Emergency_Contact	15	VARCHAR		Can only contain "+", "-" and numbers	N

#### 6. Cricket Schedule Table

Sl No.	Field Name	Field Length	Data Type	Primary Foreign Key/ Unique Key	Validation	Can be NULL (Y for Yes; N for No)
1	Cric_Sched_ID	2	TINYINT UNSIGNED	Primary Key		N
2	Day_1	3	VARCHAR		Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	N
3	Day_1_Time		BOOL		0 for	N

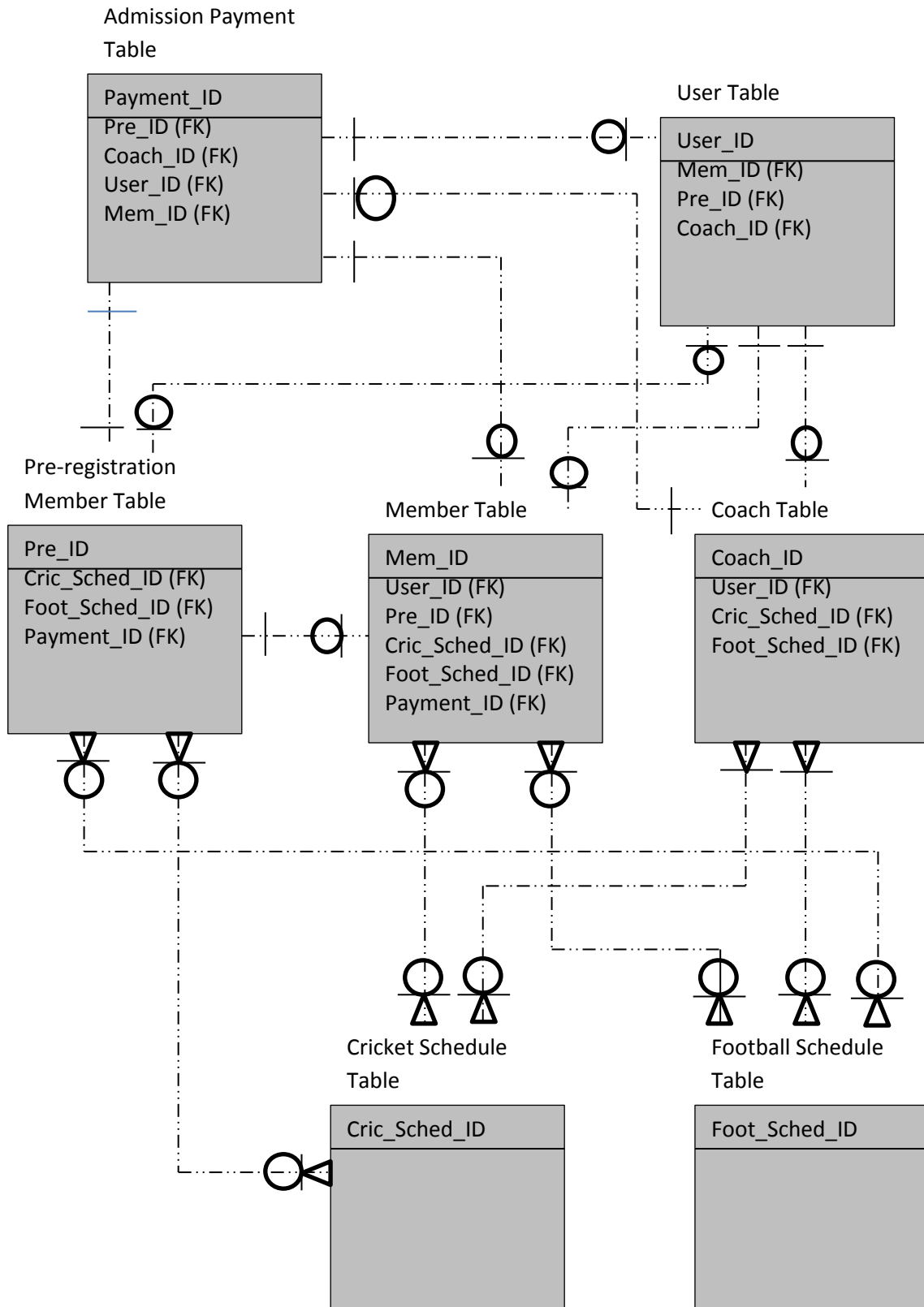
					Morning, 1 for Evening	
4	Day_2	3	VARCHAR		Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	N
5	Day_2_Time		BOOL		0 for Morning, 1 for Evening	N
6	Day_3	3	VARCHAR		Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	Y
7	Day_3_Time		BOOL		0 for Morning, 1 for Evening	Y

#### 7. Football Schedule Table

Sl No.	Field Name	Field Length	Data Type	Primary Foreign Unique Key	Key/ Key/	Validation	Can be NULL (Y for Yes; N for No)
1	Foot_Sched_ID	2	TINYINT UNSIGNED	Primary Key			N
2	Day_1	3	VARCHAR			Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	N


3	Day_1_Time		BOOL		0 for Morning, 1 for Evening	N
4	Day_2	3	VARCHAR		Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	N
5	Day_2_Time		BOOL		0 for Morning, 1 for Evening	N
6	Day_3	3	VARCHAR		Can Only take "SUN", "MON", "TUE", "WED", "THR", "FRI" and "SAT"	Y
7	Day_3_Time		BOOL		0 for Morning, 1 for Evening	Y

### 3.3 ERD



## 4 User Interface

### 4.1 Log In Form



**ABAHANI SPORTS  
CLUB**  
TEAR THE FIELDS

**Last / Surname**

**Password**

[Forgotten Password?](#)

**Log In**

**Create New Account**



## 4.2 Create New Account Form



### Create New Account

* First Name	<input type="text"/>	Middle Name	<input type="text"/>
* Last/Surname	<input type="text"/>	* Mobile No.	<input type="text"/>
* Date of Birth	<input type="text" value="15"/> ▼	<input type="text" value="July"/> ▼	<input type="text" value="1990"/> ▼
* Gender	Male <input type="radio"/>	Female <input type="radio"/>	Custom <input type="radio"/>
* Email	<input type="text"/>		
* Preferred Sports	Cricket <input type="checkbox"/>	Football	<input type="checkbox"/>
* Day Schedule	<input type="text" value="3"/> ▼	<input type="text" value="4"/> ▼	

Red \* marked details are mandatory. Please make sure all details are accurate.

By clicking Sign Up, you agree to our [Terms](#), [Privacy Policy](#) and [Cookies Policy](#).

**Create and move to payment page**

## 4.2 Change Password Form



### Change Password

\* Old Password

\* Password

\* Confirm Password

Red \* marked details are mandatory. Please make sure all details are accurate.

**Accept New Password**

## 4.2 Additional Personal Details Form



### Additional Personal Details

\* Profession

Organisation name

Organisation address

\* Latest Educational Qualification

Height  cm Weight  kg

\* Nationality

NID

Passport No.

\* Married ☐ \* Religion  \* Blood Group

\* Father's Name

Father's Profession

Father's Mobile No

\* Mother's Name

Mother's Profession

Mother's Mobile No

\* Current Address

\* Permanent Address

#### \* Emergency Contact

\* Please give emergency contact details of person who is always available.

\* Name

\* Relation

\* Address

\* Mobile No

**Done**