Cricket Club Management System

Session: 2022 – 2025

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Submitted to:

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- **Short Description of project**
  - o Cricket clubs face difficulties when managing their players performance, fitness, finances. The objective of cricket club management system is to provide an organized software to the problems for cricket club, so that they could manage their operations in a much better way. This project would contribute the field of computer science by creating a software that would help cricket clubs.
- **Users of Application**
  - The software can be used by following types of users: -
  - o Club Admin: This user will have the most access and is responsible for the management of the club and its operations. He can change the management staff and can also add/remove a player.
  - o Coach: This user will be able to manage the players and manage training sessions and schedules. He can also add/remove a player.
  - o Players: This user can view their match statistics, match schedules and training sessions.
  - o Fans: This user can view the performance, player records and match schedules for their favorite team.

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- # **Functional Requirements**

User Story ID	*As a*	*I want to*	*So that I can*
1	Club Admin	Schedule a match.	Schedule a match with another club.
		Check finances of club.	Manage the finances of the club.
		Check Team.	See the players and their attributes.
		Check Management Staff.	See the management staff of our club.
		Add a Player.	Add a player to the team.
		Remove a Player.	Remove a player from the team.
		Add a Coach	Add a coach to the team.
		Remove a Coach.	Remove a coach from the team
		Add Achievements.	Show Accomplishments of the club to fans.
		Set the ticket prices.	Change the price of tickets.
2	Club Coach	Schedule a training session.	Schedule a training session.
		Check Team.	See the players and their attributes.
		Change playing XI.	Show playing XI to other users.
		Add a Player.	Add a player to the club.
		Remove a Player.	Remove a player from the club.
		Check Schedule.	Plan according to it.
		Check the statistics of players.	Track the players performance.
		Check Achievements.	See Accomplishments of the club.
		Check Training Equipment.	Add/Remove the equipment.
3	Player	Check the statistics of players.	Track the players performance.

		Check Achievements.	See Accomplishments of the club.
		Check Schedule.	Plan according to it.
		Check Playing XI	See playing XI
4	Fans	Check the statistics of players.	Check Players Performance.
		Check Achievements.	Check Achievements.
		Check Schedule.	Check future matches.

• **Wireframes**

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****************************************************************************************************
***************************************** Cricket Club Management System ****************************
****************************************************************************************************


Username: admin
Password: pfproject_
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Figure 1: Log in Screen

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****************************************************************************************************
***************************************** Cricket Club Management System ****************************
****************************************************************************************************
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1. Add a player.
2. Remove a player.
3. Check Finances.
4. Search a player.
5. Add a coach.
6. Remove a coach.
7. Add Achievements.
8. Set Ticket Prices.
9. Check Team.
10. Check Management Staff.
11. Change a player's name.
12. Schedule a Match.
13. Exit
Enter a number: 3
```
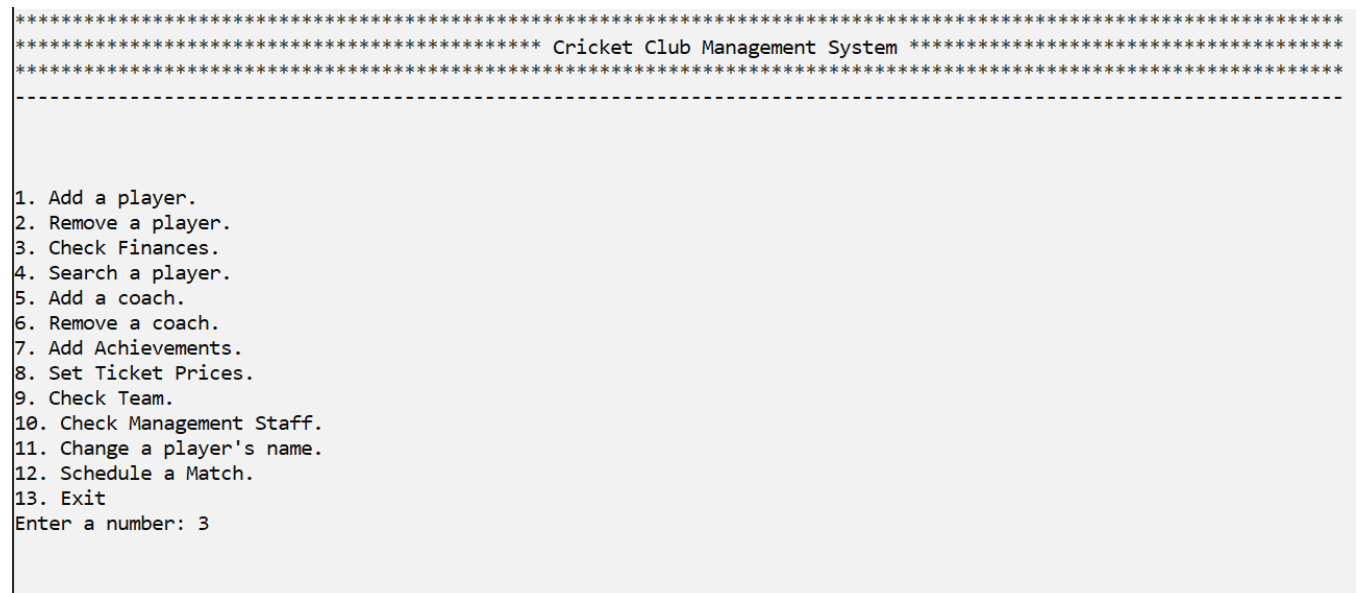
Figure 2: Admin Main Menu Screen

```
********************************************************************************
**************************** Cricket Club Management System *********************
********************************************************************************
--------------------------------------------------------------------------------


Player Name: Abdullah
Role: Batsman
Age: 20
Left hand or Right hand: Left
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 3: Admin Option 1

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********************************************************************************
**************************** Cricket Club Management System *********************
********************************************************************************
--------------------------------------------------------------------------------


Player Name: Abdullah
Registration Number: 2022-XYZ-981
Press 0 to exit and any other key to continue.  0
```

Figure 4: Admin Option 2

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********************************************************************************
**************************** Cricket Club Management System *********************
********************************************************************************
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Players Salary: 60,000
Coaches Salary: 50,000
Utility Bills: 50,000
Training Equipment: 20,000
Ticket Sales: 40,000
Merchandise: 60,000
Press 0 to exit and any other key to continue.  0
```

Figure 5: Admin Option 3

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********************************************************************************************
***************************************** Cricket Club Management System *****************************
********************************************************************************************
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Players Registration Number: 981
Name: Mohammad Abdullah
Salary: 5000
Role: Batsman
Hand: Right
Press 0 to exit and any other key to continue.  _
```

Figure 6: Admin Option 4

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********************************************************************************************
***************************************** Cricket Club Management System *****************************
********************************************************************************************
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Coach Name: Aqib
Role: Batting
Age: 51
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 7: Admin Option 5

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********************************************************************************************
***************************************** Cricket Club Management System *****************************
********************************************************************************************
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Coach Name: Aqib
Press 0 to exit and any other key to continue.Enter a number: 0
```

Figure 8: Admin Option 6

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********************************************************************************************
****************************** Cricket Club Management System ******************************
********************************************************************************************
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Achievement: Tournament
Year: 2022
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 9: Admin Option 7

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********************************************************************************************
****************************** Cricket Club Management System ******************************
********************************************************************************************
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Current Ticket Prices: 1200
New Ticket Price: 1300
Press 0 to exit and any other key to continue.Enter a number: 0
```

Figure 10: Admin Option 8

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********************************************************************************************
****************************** Cricket Club Management System ******************************
********************************************************************************************
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Team :-
1. Zahid
2. Amir
3. Abdullah
4. Ahad
5. Rafay
6. Fayyaz
7. Ali
8. Ahmed
9. Danyal
10. Huraira
11. Faizan
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 11: Admin Option 9

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***********************************************************************************************
*********************************** Cricket Club Management System ****************************
***********************************************************************************************
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Team Management :-
Head Coach: Aqib Javed
Batting Coach: Imran Dogar
Bowling Coach: Wasim Akram
Press 0 to exit and any other key to continue.Enter a number: 0
```

Figure 12: Admin Option 10

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***********************************************************************************************
*********************************** Cricket Club Management System ****************************
***********************************************************************************************
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Player Registration Number: 098
Player's Name: Amir
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 13: Admin Option 11

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***********************************************************************************************
*********************************** Cricket Club Management System ****************************
***********************************************************************************************
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Date: 12-02-2023
Opposition: Fayyaz Club
Time: 1:00
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 14: Admin Option 12

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*********************************************************************************
******************************** Cricket Club Management System ******************************
*********************************************************************************
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1. Add a player.
2. Remove a player.
3. Search a player.
4. Check Schedule.
5. Check Team.
6. Change playing XI.
7. Check Statistics of players.
8. Schedule a Training Session.
9. Check Achievements.
10. Check Training Equipments.
11. Exit
Enter a number: 3_
```

Figure 15: Coach Main Menu

```
*********************************************************************************
******************************** Cricket Club Management System ******************************
*********************************************************************************
------------------------------------------------------------------------



Player Name: Abdullah
Role: Batsman
Age: 20
Left hand or Right hand: Left
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 16: Coach Option 1

```
*********************************************************************************
******************************** Cricket Club Management System ******************************
*********************************************************************************
------------------------------------------------------------------------



Player Name: Abdullah
Registration Number: 2022-XYZ-981
Press 0 to exit and any other key to continue.  0
```

Figure 17: Coach Option 2

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********************************************************************************************
**************************************** Cricket Club Management System *********************
********************************************************************************************
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Players Registration Number: 981
Name: Mohammad Abdullah
Salary: 5000
Role: Batsman
Hand: Right
Press 0 to exit and any other key to continue.  _
```

Figure 18: Coach Option 3

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********************************************************************************************
**************************************** Cricket Club Management System *********************
********************************************************************************************
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Date: 12-02-2023    Time: 1:00      CRC Club vs Fayyaz Club    Junaid Cricket Ground.
Date: 14-02-2023    Time: 3:00      CRC Club vs Diamond Club   Junaid Cricket Ground.
Date: 18-02-2023    Time: 5:00      CRC Club vs Pakistan Club  Junaid Cricket Ground.
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 19: Coach Option 4

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********************************************************************************************
**************************************** Cricket Club Management System *********************
********************************************************************************************
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Team :-
1. Zahid
2. Amir
3. Abdullah
4. Ahad
5. Rafay
6. Fayyaz
7. Ali
8. Ahmed
9. Danyal
10. Huraira
11. Faizan
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 20: Coach Option 5

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****************************************************************************************
**************************************** Cricket Club Management System *****************************************
****************************************************************************************
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Enter Player Number from playing XI: 3
Substituted Player Number: 12
Press 0 to exit and any other key to continue.
Enter a number: 0_
```

Figure 21: Coach Option 6

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****************************************************************************************
**************************************** Cricket Club Management System *****************************************
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Enter Player Number: 3
Name: Abdullah
Role: Batsman
Score: 589
Average: 32.5
Strike Rate: 98.2
Highest: 130
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 22: Coach Option 7

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*******************************************************************************************
************************************** Cricket Club Management System **********************
*******************************************************************************************
-------------------------------------------------------------------------------------------



Date: 12-02-2023
Time: 1:00
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 23: Coach Option 8

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*******************************************************************************************
************************************** Cricket Club Management System **********************
*******************************************************************************************
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Club Champions 2019
Divisional Champions 2020
Club Champions 2021
Club Champions 2022
Press 0 to exit and any other key to continue.
Enter a number: 0_
```

Figure 24: Coach Option 9

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*******************************************************************************************
************************************** Cricket Club Management System **********************
*******************************************************************************************
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Nets: Good
Ground: Good
Swimming Pool: Good
Gym: Ok
Kits: New Needed
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 25: Coach Option 10

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***********************************************************************************
**************************** Cricket Club Management System ************************
***********************************************************************************
-----------------------------------------------------------------------------------



1. Check Schedule.
2. Check playing XI.
3. Check Statistics of players.
4. Check Achievements.
5. Check Training Equipments.
6. Exit
Enter a number: 3_
```

Figure 26: Player Main Menu

```
***********************************************************************************
**************************** Cricket Club Management System ************************
***********************************************************************************
-----------------------------------------------------------------------------------



Date: 12-02-2023    Time: 1:00     CRC Club vs Fayyaz Club    Junaid Cricket Ground.
Date: 14-02-2023    Time: 3:00     CRC Club vs Diamond Club   Junaid Cricket Ground.
Date: 18-02-2023    Time: 5:00     CRC Club vs Pakistan Club   Junaid Cricket Ground.
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 27: Player Option 1

```
***********************************************************************************
**************************** Cricket Club Management System ************************
***********************************************************************************
-----------------------------------------------------------------------------------



Team :-
1. Zahid
2. Amir
3. Abdullah
4. Ahad
5. Rafay
6. Fayyaz
7. Ali
8. Ahmed
9. Danyal
10. Huraira
11. Faizan
Press 0 to exit and any other key to continue.Enter a number: 0_
```

Figure 28: Player Option 2

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********************************************************************************************
************************************* Cricket Club Management System ***********************
********************************************************************************************
----------------------------------------------------------------------------------


Enter Player Number: 3
Name: Abdullah
Role: Batsman
Score: 589
Average: 32.5
Strike Rate: 98.2
Highest: 130
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 29: Player Option 3

```
********************************************************************************************
************************************ Cricket Club Management System ************************
********************************************************************************************
----------------------------------------------------------------------------------


Club Champions 2019
Divisional Champions 2020
Club Champions 2021
Club Champions 2022
Press 0 to exit and any other key to continue.
Enter a number: 0_
```

Figure 30: Player Option 4

```
********************************************************************************************
*********************************** Cricket Club Management System *************************
********************************************************************************************
----------------------------------------------------------------------------------


Nets: Good
Ground: Good
Swimming Pool: Good
Gym: Ok
Kits: New Needed
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 31: Player Option 5

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*********************************************************************************************
*************************************** Cricket Club Management System ***********************
*********************************************************************************************
-------------------------------------------------------------------------------------------


1. Check Schedule.
2. Check Statistics of players.
3. Check Achievements.
4. Exit
Enter a number:
```

Figure 32: Fans Main Menu

```
*********************************************************************************************
*************************************** Cricket Club Management System ***********************
*********************************************************************************************
-------------------------------------------------------------------------------------------


Date: 12-02-2023    Time: 1:00     CRC Club vs Fayyaz Club    Junaid Cricket Ground.
Date: 14-02-2023    Time: 3:00     CRC Club vs Diamond Club   Junaid Cricket Ground.
Date: 18-02-2023    Time: 5:00     CRC Club vs Pakistan Club  Junaid Cricket Ground.
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 33: Fans Option 1

```
*********************************************************************************************
*************************************** Cricket Club Management System ***********************
*********************************************************************************************
-------------------------------------------------------------------------------------------


Enter Player Number: 3
Name: Abdullah
Role: Batsman
Score: 589
Average: 32.5
Strike Rate: 98.2
Highest: 130
Press 0 to exit and any other key to continue.
Enter a number: 0
```

Figure 34: Fans Option 2

```
***********************************************************************************
*************************************** Cricket Club Management System *************************************
***********************************************************************************
----------------------------------------------------------------------------------



Club Champions 2019
Divisional Champions 2020
Club Champions 2021
Club Champions 2022
Press 0 to exit and any other key to continue.
Enter a number: 0_
```

Figure 35: Fans Option 3