

DATABASE AND MANAGEMENT SYSTEM TH/LAB



UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA DEPARTMENT OF SOFTWARE ENGINEERING

PROJECT: CRICKET MANAGEMENT SYSTEM

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Table Of Contents

▪ Aims & Objectives	3
▪ Tools used/to be used for implementation	3
▪ GUI Explanation:.....	3
○ Team Information's:.....	3
○ Player Details:	3
○ Match Details:	3
○ Ground Info:.....	4
○ Admin:	4
▪ Conclusion	23
▪ References.....	23

DESCRIPTION OF CRICKET MANAGEMNT SYSTEM

▪ **Aims & Objectives**

Our objective is to design a Cricket Management system using database Oracle and using this software we can manage and store data about any match series and handle the data effectively. Our objective is to use the NETBEANS and ORACLE SQL to create PSL Management system.

▪ **Tools used/to be used for implementation**

NETBEANS (Java Language Compiler)

ORACLE SQL (Database creation tool)

▪ **GUI Explanation:**

In this system GUI start with Menu where user will have several options regarding this system. Like if he/she will have access to see following details about players etc. added in a system.

- Team Information
- Player Details
- Matches Details
- Ground Info
- Admin

○ **Team Information's:**

We are simply displaying data of teams like how many teams are there in our system currently. In this menu you can also see one more feature which is displaying the details about coach and managers using join on two table to fetch data from two different tables.

○ **Player Details:**

In this menu you can see all the players that are added in a team and their all records. If you want to see all player that belongs to any particular team you also can do this here. One more feature that we have added the concept of nested query to display that which player has highest no of 50's and 100's.

○ **Match Details:**

We are simply displaying Match details like which teams are going to compete with each other etc. In this menu we again used the concept of join to join two tables Schedule & Match to display the required entries that we are interested in to display the schedule of all matches which consist of Time and Place.

- **Ground Info:**

In this menu we are displaying all the ground details which user can see.

- **Admin:**

This is strictly only for admin. Admin need to login then he will have access to different options. Like,

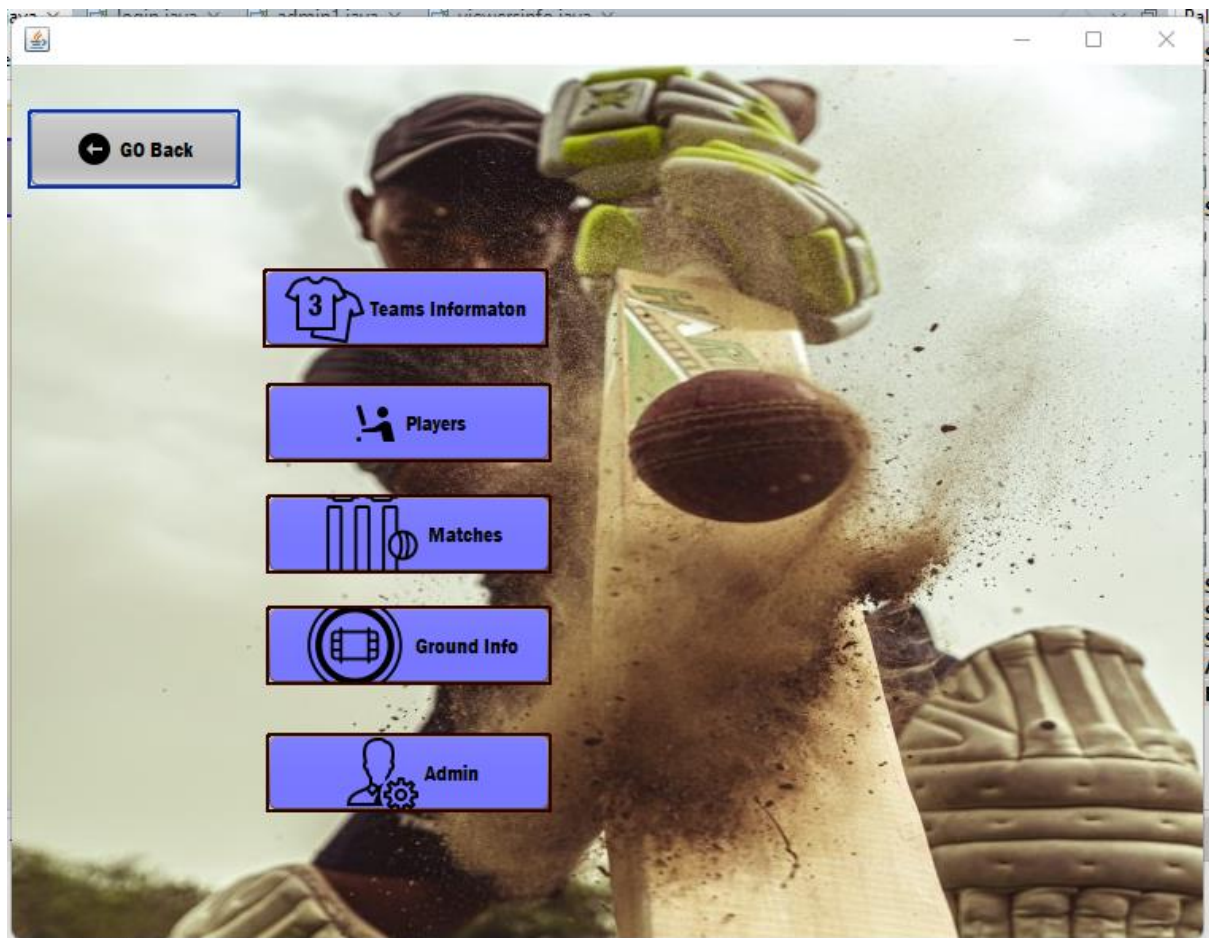
- Admin can only see viewer details like their CNIC etc. and many more.
- Moreover, Admin have access to update any field like
- Can update Ground capacity in Ground Details.
- Can update match type and venue of any match.
- Can update player 50's and 100's and also change player team.
- Can update team captain and coach name.
- Can update viewer details like CNIC and contact no.
- Admin has also access to delete any player (Using procedure) from system just need to enter that player ID.

GUI

HOME



Menu



Team Information's

Home/Menu/Team Information

Team Informations

Team	Owner	Price	Province	Media Partner	Captain	Coach	Team level
Multan Sult...	Ali Tareen ...	41000000	Multan,Pun...	Dawn News	Shan Maso...	Andy Flower	Starter ...
Lahore Qal...	Fawad Rana	24000000	Lahore,Pun...	Geo Groups	Bredon Mc...	Aaqib Javed	Intermediat...
Quetta Gla...	Nadeen Omer	11000000	Quetta,Bal...	Ptv Sports	Sarfraz Ah...	Moin Khan	Intermediat...
Peshawar Z...	Jawaid Afridi	16000000	Peshawar,...	Express News	Darren Sa...	Muhamma...	Starter ...
Islamabad ...	Ali and Am...	15000000	Capital Teri...	Dunya News	Misbah-ul...	Dane Jones	Pro ...
Karachi Kin...	Salman Iqbal	26000000	Karachi,Sin...	Ary News	Ghufraan	Ali	Pro ...

View team Manager Details:

Display

Team Name	Coach Name	Coach Nationality	Team Selector
Multan Sultan	Andy Flower	England	Shahid Afridi
Lahore Qalandar	Aaqib Javed	Pakistani	Shoiab Alhtar
Quetta Gladiators	Moin Khan	Pakistani	Kamran Akmal
Peshawar Zalmi	Muhammad Akram	Pakistani	Umar Akmal
Islamabad United	Dane Jones	England	Imad Wasim
Karachi Kings	Dane Jones	Australia	Imamulhaq

Players Information's

← Go Back

Check Highest No of 50's/100's

Select Team :

Show All Players Info

Quetta Gladiators Islamabad United Lahore Qalandars Peshawar Zalmi Karachi Kings Multan Sultan

Player ID	Player ...	Player ...	Player ...	Player ...	Player ...	Contact...	Jersey...	City	Player...	PlayerF...	Player t...
1	Colin In...	Platinum	Islama...	4	7	91234...	6	Melbor...	PSPlay...	Incredi...	Batsm...
2	Dale St...	Platinum	Islama...	0	0	92238...	8	Melbor...	PSPlay...	Incredi...	Bowlers
3	Shada...	Platinum	Islama...	2	0	91234...	6	Melbor...	PSPlay...	Incredi...	All-rou...
4	Colin ...	Diamond	Islama...	3	1	91234...	6	Melbor...	PSPlay...	Incredi...	Batsm...
5	Asif Ali	Diamond	Islama...	1	0	91234...	6	Melbor...	PSPlay...	Incredi...	Batsm...
6	Fahee...	Diamond	Islama...	3	0	91234...	6	Melbor...	PSPlay...	Incredi...	All-rou...
7	Luke R...	Gold	Islama...	6	0	91234...	6	Melbor...	PSPlay...	Incredi...	Batsm...
8	Rumm...	Gold	Islama...	0	0	91234...	6	Melbor...	PSPlay...	Incredi...	Bowlers
9	Hussai...	Gold	Islama...	0	0	91234...	6	Melbor...	PSPlay...	Incredi...	All-rou...
10	Phil Salt	Silver	Islama...	2	0	91234...	6	Melbor...	PSPlay...	Incredi...	Batsm...
11	Rizwan...	Silver	Islama...	1	0	91234...	6	Gojra	NO Hi...	Incredi...	Batsm...

Highest 50's by Players

←

50's By Players 100's by Players

Player Name	Player Team	Player 50's/...
Azan	Multan Sultan	7
JD	Lahore Qala...	7

Match Details



Home/Menu/Matches

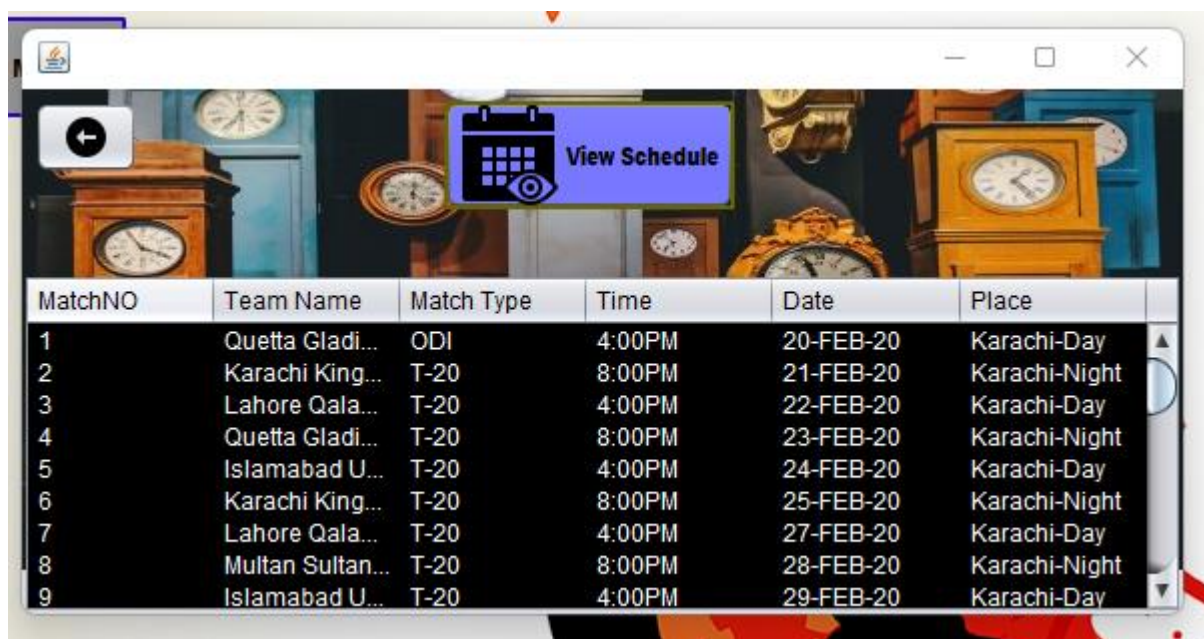
Matches

Display Match Details

Schedule of all Matches

Match No	Team VS Team	Match Date	Venue	Match Type
1	Quetta Gladiators Vs ...	2020-02-20	Karachi-night	ODI
2	Karachi Kings Vs Pesh...	2020-02-21	Karachi-Day	T-20
3	Lahore Qalandars Vs ...	2020-02-21	lahore-Night	T-20
4	Quetta Gladiators Vs ...	2020-02-22	Karachi-Day	T-20
5	Islamabad United Vs ...	2020-02-22	Lahore-Night	T-20
6	Karachi Kings Vs Quet...	2020-02-23	Karachi-Day	T-20
7	Lahore Qalandars Vs I...	2020-02-23	Lahore-Night	T-20
8	Multan Sultans Vs Pe...	2020-02-26	Multan-Night	T-20
9	Islamabad United Vs ...	2020-02-27	Rawalpindi-Night	T-20
10	Multan Sultans Vs K...	2020-02-28	Rawalpindi-Day	T-20

Schedule of Matches



View Schedule

MatchNO	Team Name	Match Type	Time	Date	Place
1	Quetta Gladi...	ODI	4:00PM	20-FEB-20	Karachi-Day
2	Karachi King...	T-20	8:00PM	21-FEB-20	Karachi-Night
3	Lahore Qala...	T-20	4:00PM	22-FEB-20	Karachi-Day
4	Quetta Gladi...	T-20	8:00PM	23-FEB-20	Karachi-Night
5	Islamabad U...	T-20	4:00PM	24-FEB-20	Karachi-Day
6	Karachi King...	T-20	8:00PM	25-FEB-20	Karachi-Night
7	Lahore Qala...	T-20	4:00PM	27-FEB-20	Karachi-Day
8	Multan Sultan...	T-20	8:00PM	28-FEB-20	Karachi-Night
9	Islamabad U...	T-20	4:00PM	29-FEB-20	Karachi-Day

Ground Information's



The screenshot shows a web application interface. At the top right, there is a navigation link: [Home/Menu/Grounds](#). Below it, the word "Grounds" is displayed in large blue text. On the left side, there is a "Go Back" button with a left arrow icon. Below that, there is a "Show Ground Info" button. The background image is an aerial view of a large stadium with a green pitch and tiered seating.

Ground Name	Ground Location	Ground Capacity	Media Partner	Pitch No
Gaddafi Stadium	Lahore	27000	Geo News	1
National Stadium	Karachi	50000	Ary News	2
Rawalpindi Stadium	Rawalpindi	10000	Geo News	1
Multan Stadium	Multan	13000	Bol News	2

Admin



The image shows a web browser window displaying an Admin Login Page. The page is split into two main sections. The left section has a light purple background with a cracked texture. It contains a 'Menu' button with a hamburger icon, a breadcrumb trail 'Home/Menu/Admin', the title 'Admin Login Page' in a stylized font, and a note at the bottom: 'Note: only Admin can login here'. The right section has a dark background with a blurred image of people. It features the title 'Sign In' in green, followed by input fields for 'Enter ID :' and 'Password :', and a yellow 'Login' button.

Menu

Home/Menu/Admin

Admin Login Page

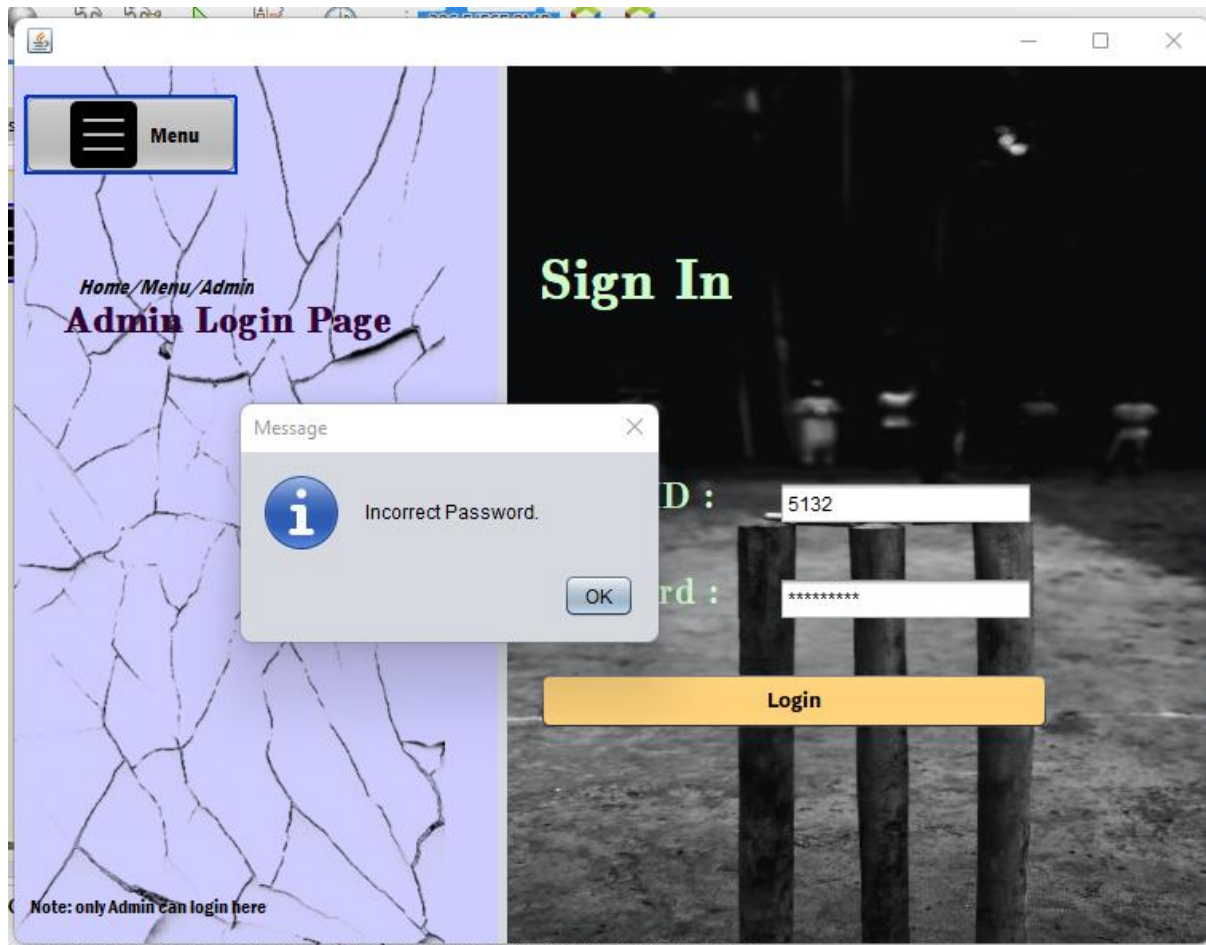
Note: only Admin can login here

Sign In

Enter ID :

Password :

Login



Admin menu





The screenshot shows a web browser window with a green background image of a cricket ball on grass. The page features a 'Go Back' button in the top left, a teal header with the title 'Updating Ground Details', and two input fields for 'Enter Ground Name :' and 'Enter New Capacity :'. An 'Update' button with a circular arrow icon is positioned below the input fields.

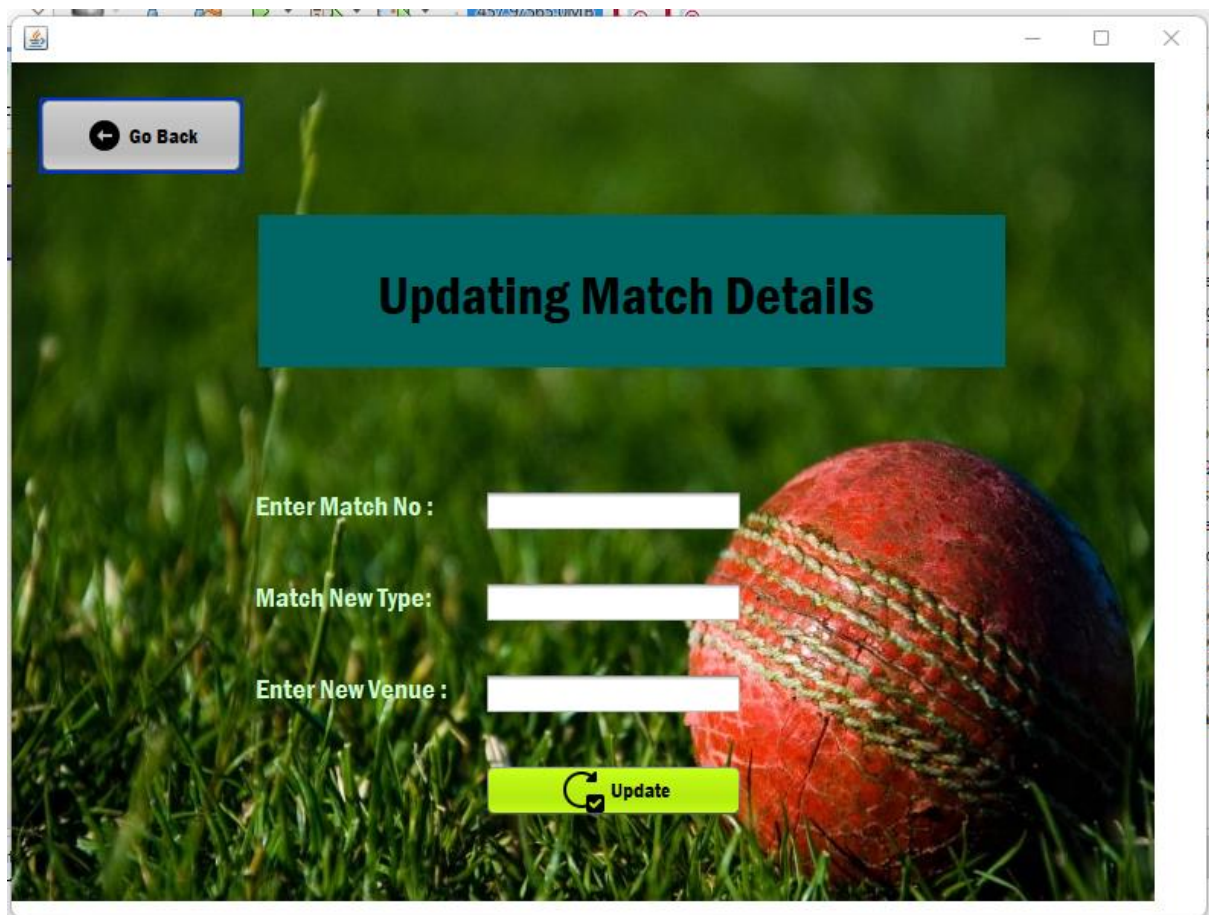
Go Back

Updating Ground Details

Enter Ground Name :

Enter New Capacity :

 Update

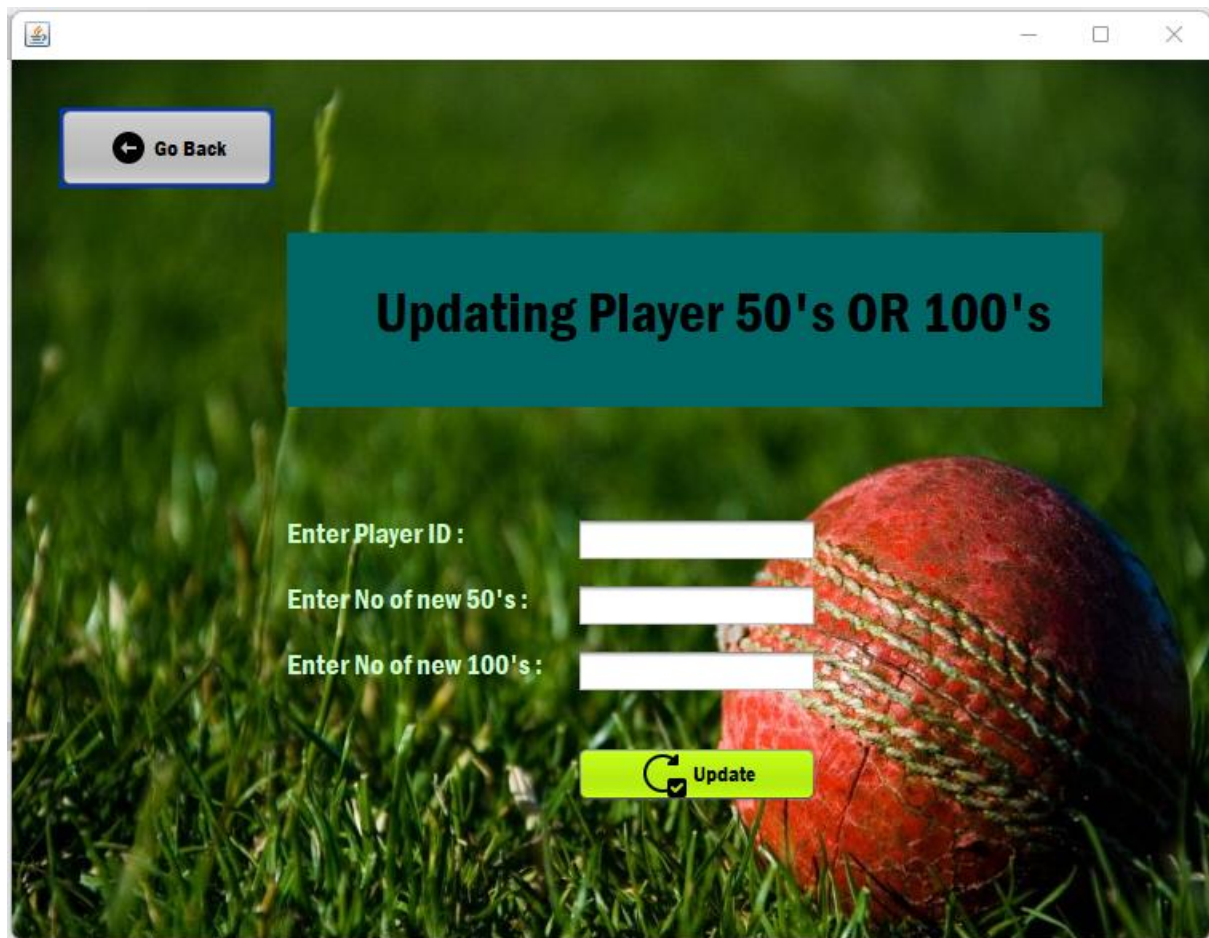


The screenshot shows a web application window with a background image of a red cricket ball on green grass. The window has a title bar with standard minimize, maximize, and close buttons. In the top-left corner, there is a grey button with a left-pointing arrow and the text "Go Back". In the center, a teal rectangular box contains the text "Updating Match Details" in bold black font. Below this box, there are three form fields, each with a label and a white input box:

- Enter Match No :
- Match New Type:
- Enter New Venue :

At the bottom center, there is a yellow button with a circular arrow icon and the text "Update".





The screenshot shows a web application window with a green grass background and a red cricket ball. The window has a title bar with standard OS controls. Inside, there is a 'Go Back' button in the top left. A teal banner at the top center contains the title 'Updating Player 50's OR 100's'. Below this, there are three input fields with labels: 'Enter Player ID :', 'Enter No of new 50's :', and 'Enter No of new 100's :'. At the bottom center is a yellow 'Update' button with a circular arrow icon.

Go Back


Updating Player 50's OR 100's

Enter Player ID :

Enter No of new 50's :

Enter No of new 100's :

Update



The screenshot shows a web browser window displaying a web application. The background is a close-up image of a red cricket ball on green grass. In the top left corner, there is a button with a left-pointing arrow and the text "Go back". In the center, there is a teal rectangular box with the title "Changing Player Team" in bold black text. Below this box, there are two input fields. The first is labeled "Enter Player Name :" and the second is labeled "Enter New Team :". Both labels are in bold black text. Below the second input field is a yellow button with the text "Update". At the bottom of the browser window, there is a terminal-like output showing the command: `--- exec-maven-buildin:3.0.0:exec (default-cli) @ Clicketas ---`.

Go back

Changing Player Team

Enter Player Name :

Enter New Team :

Update

--- exec-maven-buildin:3.0.0:exec (default-cli) @ Clicketas ---

Viewer details

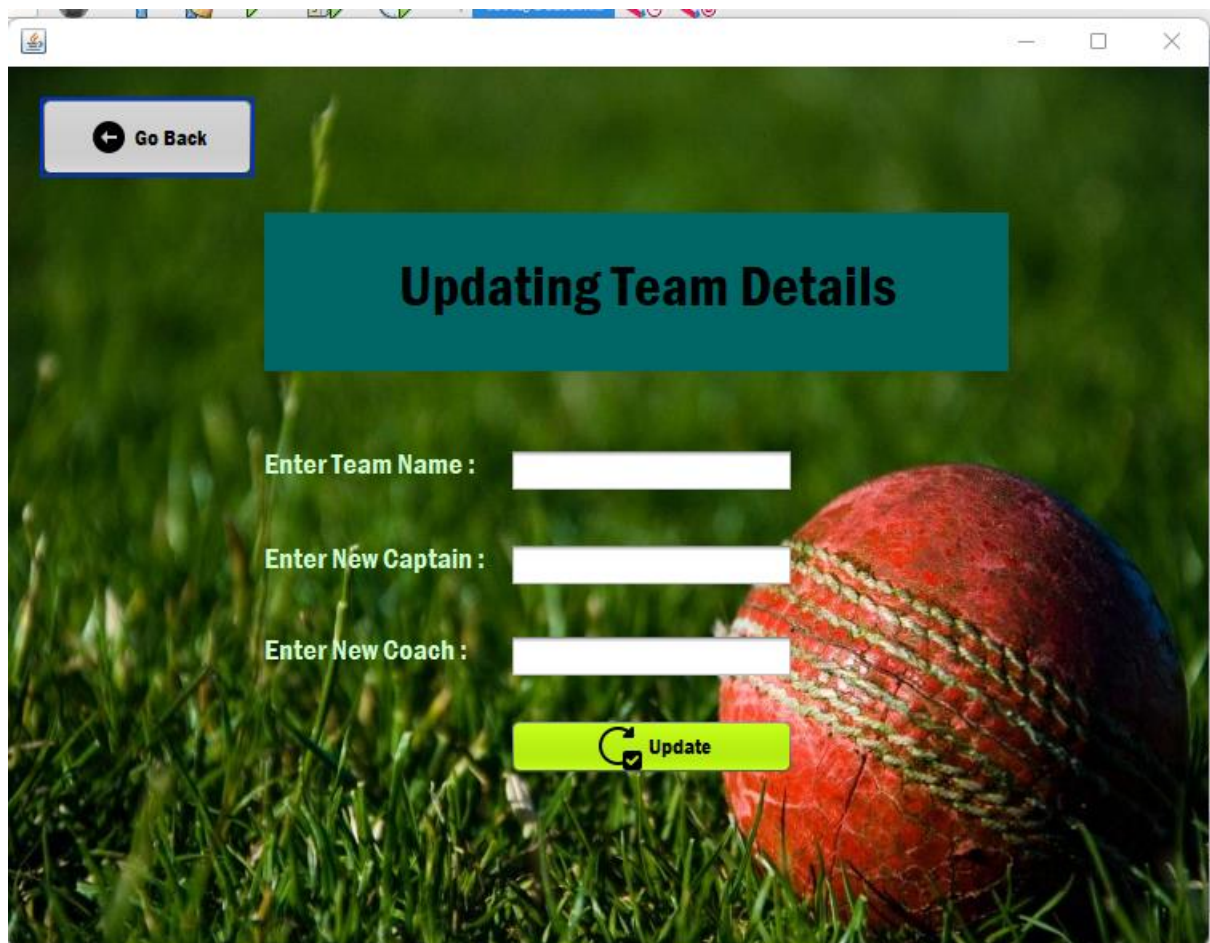



Home / Menu / Viewers

Viewers

Display Viewer Data

Viewer Name	Viewer CNIC	Contact No	Seat No	Ticket Id	Viewer Nationality
Ahmad	3330358	+923355346787	1	1	Pakistani
Ali	3330311	+923456754	2	2	Pakistan
Azan	3330348	+92125478965	3	3	Pakistan
Hamza	3330383	+9265478951	66	22	Pakistan
Adil	3330345	+9245698745	68	98	Pakistan
Jawad	3330348	+9245698742	42	29	Pakistan
Noman	3330356	+9245632589	92	23	Pakistan
Dawood	3330345	+92452136987	72	22	Pakistan
Ammad	3330345	+92125446984	32	72	Pakistan
Atta	3330345	+92498704698	62	20	Pakistan
Abdullah	3330345	+92125469087	72	29	Pakistan




 Go Back

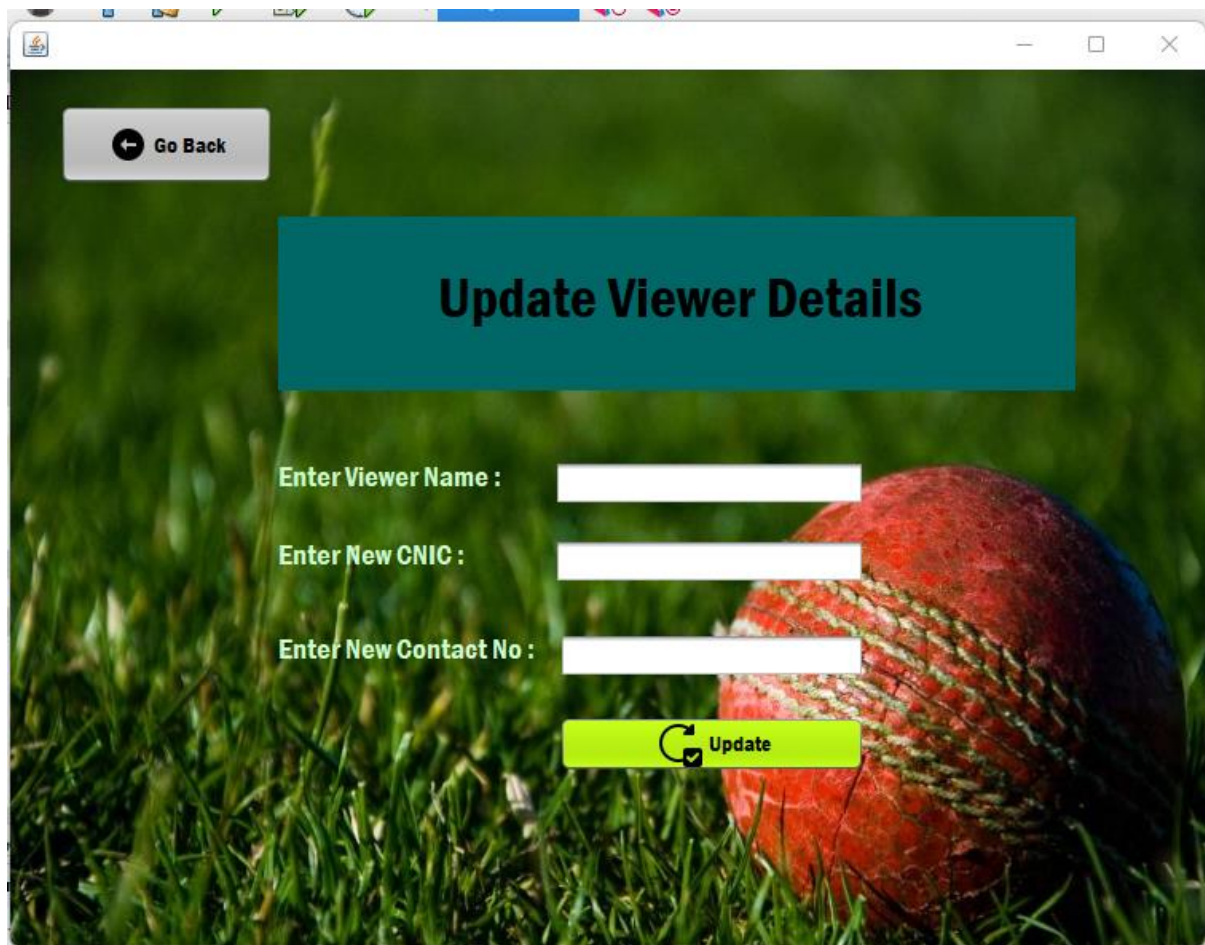
Updating Team Details

Enter Team Name :

Enter New Captain :

Enter New Coach :

 Update



A screenshot of a web browser displaying a form titled "Update Viewer Details". The background is a close-up of a green cricket ball on grass. In the top left corner, there is a grey button with a left arrow and the text "Go Back". The title "Update Viewer Details" is centered in a teal box. Below the title, there are three input fields with labels: "Enter Viewer Name :", "Enter New CNIC :", and "Enter New Contact No :". At the bottom right, there is a green button with a circular arrow icon and the text "Update".


Go Back

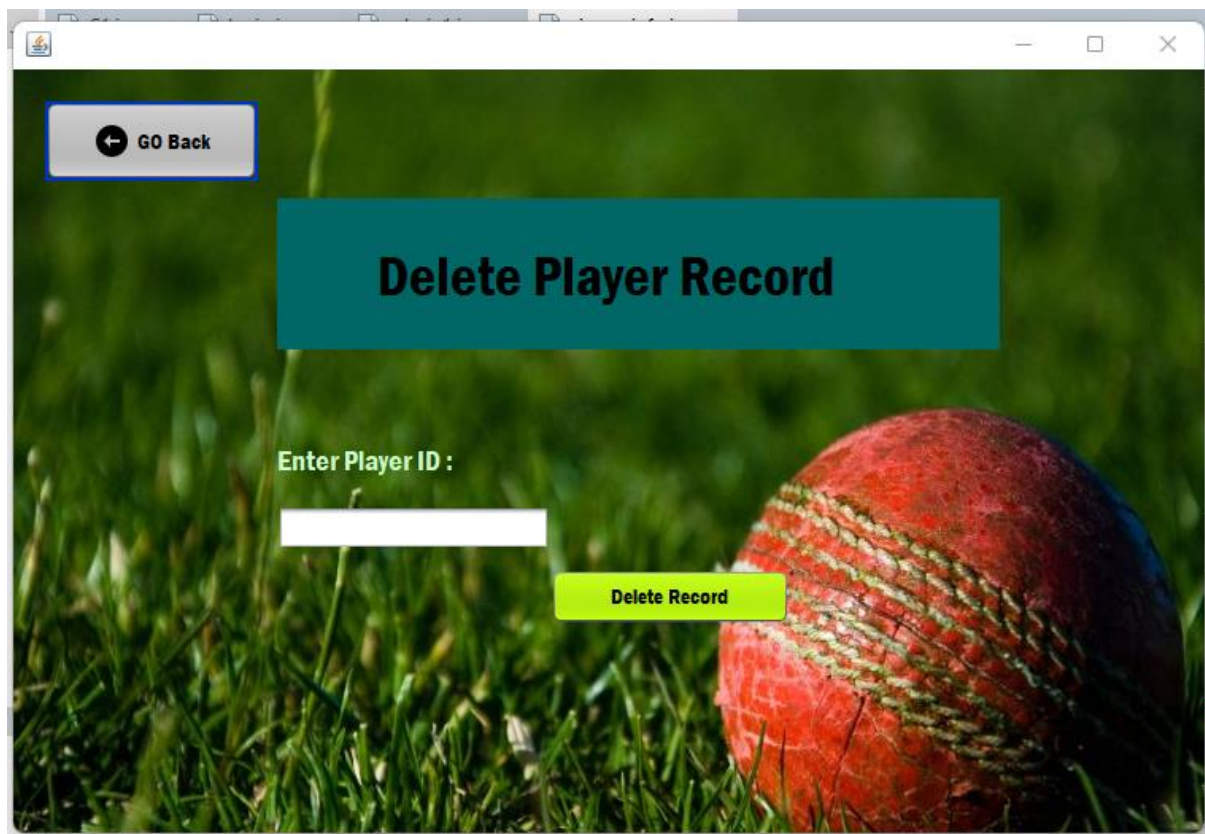
Update Viewer Details

Enter Viewer Name :

Enter New CNIC :

Enter New Contact No :

 Update



A screenshot of a web browser displaying a form titled "Delete Player Record". The background is a close-up of a green cricket ball on grass. In the top left corner, there is a grey button with a left arrow and the text "GO Back". The title "Delete Player Record" is centered in a teal box. Below the title, there is one input field with the label "Enter Player ID :". At the bottom right, there is a green button with the text "Delete Record".

GO Back

Delete Player Record

Enter Player ID :

Delete Record

■ Conclusion

Security is essential in any Information system to protect the information of players which is provided in our system as well as our system also allows data checking at the time of input so that the only valid data can be entered in the system. It also allows the user to manage all data effectively.

■ References

Pakistan Super League Cricket Team Records & Stats / ESPNcricinfo.com. (n.d.). Cricinfo.

<https://stats.espncricinfo.com/pakistan-super-league-2016->

[18/engine/records/batting/most_runs_career.html?id=205;type=trophy](https://stats.espncricinfo.com/pakistan-super-league-2016-18/engine/records/batting/most_runs_career.html?id=205;type=trophy)

Pakistan Super League Cricket Team Records & Stats / ESPNcricinfo.com. (n.d.-b). Cricinfo.

<https://stats.espncricinfo.com/pakistan-super-league-2016->

[18/engine/records/bowling/most_wickets_career.html?id=205;type=trophy](https://stats.espncricinfo.com/pakistan-super-league-2016-18/engine/records/bowling/most_wickets_career.html?id=205;type=trophy)

Staff, E. (2015, September 24). *Dubai, Sharjah venues for Pakistan Super League.*

ESPNcricinfo. <https://www.espncricinfo.com/story/dubai-sharjah-venues-for-pakistan-super-league-923067>

Nauman, Q. (2016, February 23). *Pakistan Super League: Twenty20 Underdogs Quetta*

Gladiators Emerge as Favorites in Final. WSJ. <https://www.wsj.com/articles/BL-IRTB-31505>