IPL Database

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INTRODUCTION

- The Indian Premier League (IPL) is a professional Twenty20 cricket league in India contested by eight teams representing eight different cities in India
- In the modern day of statistics and data proves to be very import. With this project, we resolve to satisfy the fans of these teams and analysts in the need of all time stats of players in the IPL
- In the given project we will be designing a SQL Database connected with Python using a MySQL Connector and which will help the user to analyse the statistics of each player playing for a team in IPL.

LAYOUTS



First page of the application



Login Page



Sign up Page



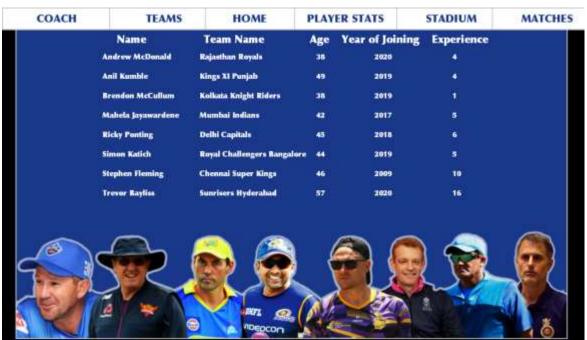
Statistics Database

Game - Database Navigation Page



Database First Page





→ IPL Super Over Game

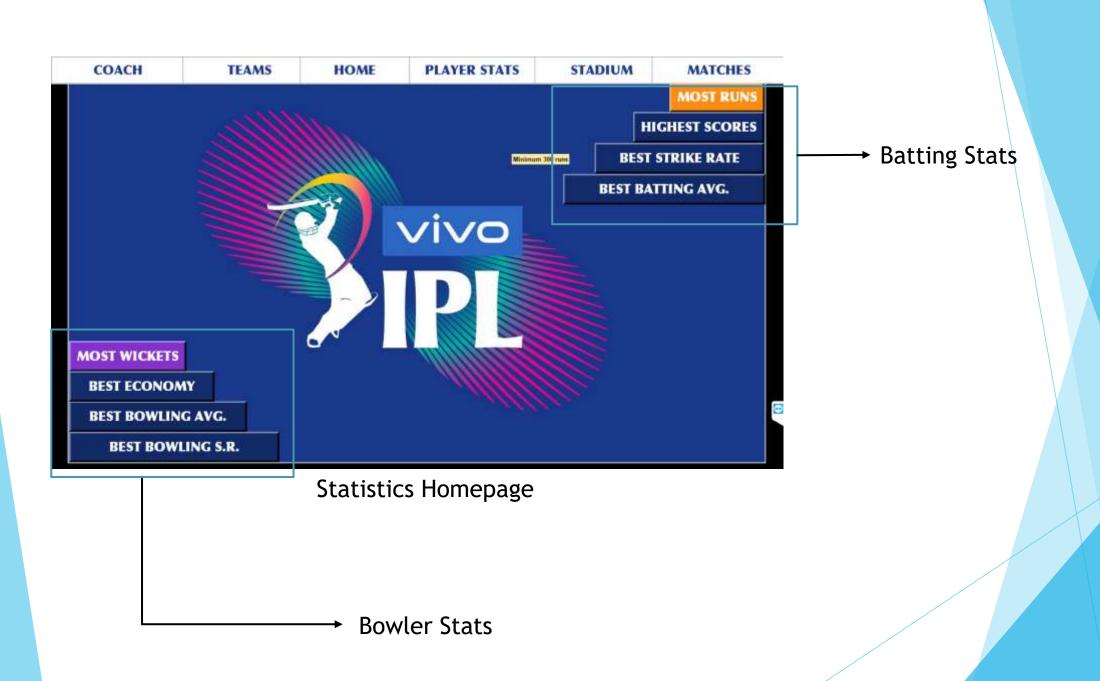
Coach Display



Name	Loone				
	H-Sim F	Name	Address	Capacity	Avg_Score
* M.A. Chidonhurum	Stadion Chennel Supe	er Kings Wallagel	Road, Cheproli, Chennal, Tamil Nada	33500	158
Ares Juliley Stadion	Delhi Capital	e Databa	r Shah Zalar Marg, Delhi	41029	155
* PCA Station, Moke	Kings Xi Penj	ph I.S. Blod	fra Stadium, Sector 67, Sabihrada Ajit S	legh Negar 21000	S***
Files Cardens	Enterta Enter	at Eiders B.B.D. 1	lagh, Kolkela, Weel Bengal 700021		
Wankhede Stadium	Mandal Indi	one : Visco M	laskad Rd, Charchgate, Membal, Maka	raskira 400020 33100	399
Sewal Massingh Sta	ilam (Kajasibas Ha	yalo Jalper N	iagar Nigam, Latherthi, Jaiper, Rajasthan	102905 39000	165
* M. Chinaseumy St	alliem Royal Challer	agers Bangalore Cabbus	ild, Skiraji Nagar, Bragalera, Karastal	La Scott Cours	199
. Rajir Candhi Istal S	tadium Seature Hy	fershed Uppel, I	tydershad, Telanguna 580039	(500)	175
		Nickname	of the Chepauk,it was establish stadium in the country afte		

→ Team Display

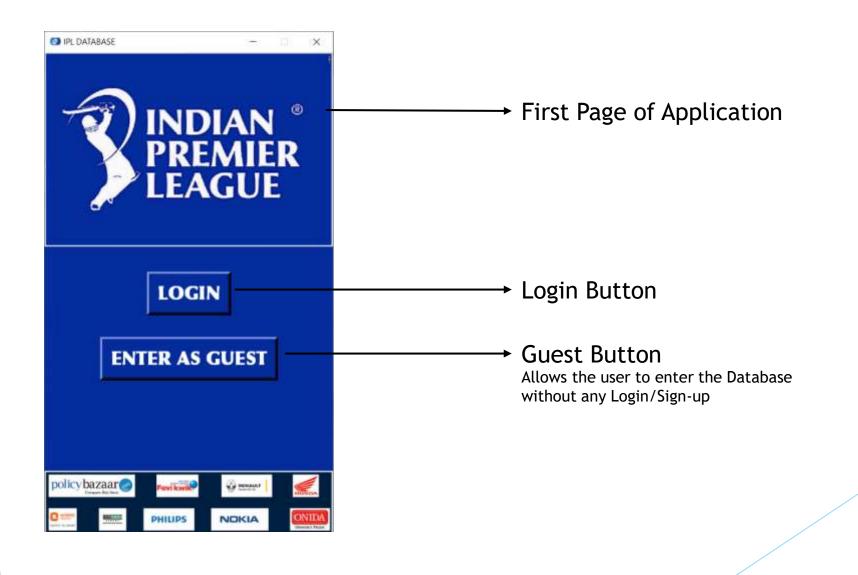
Stadium Display

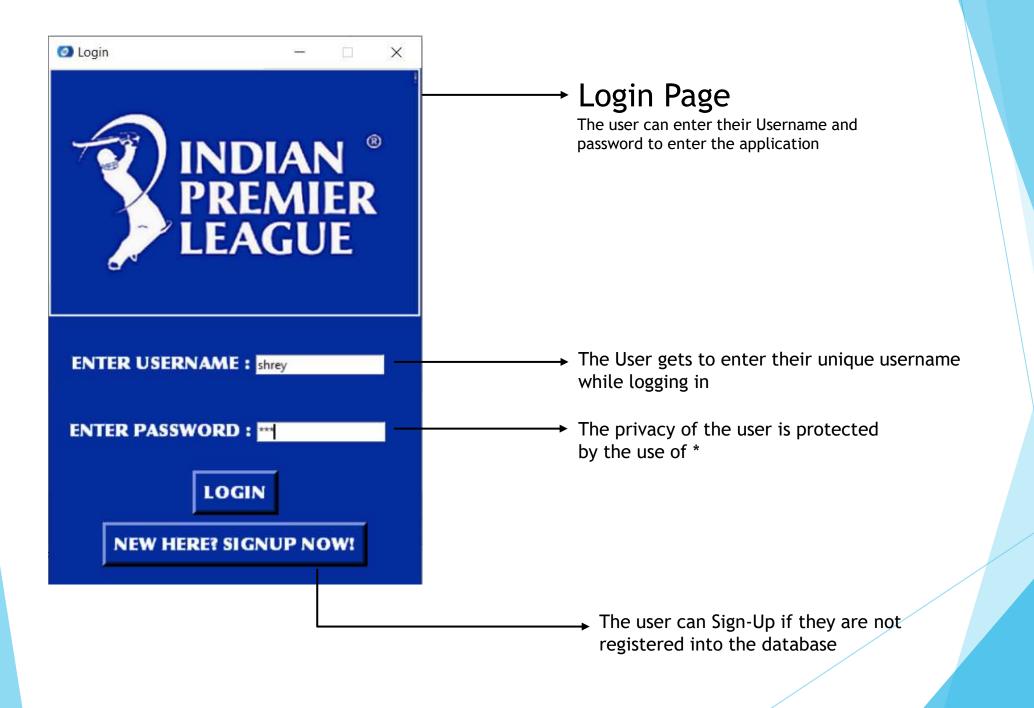


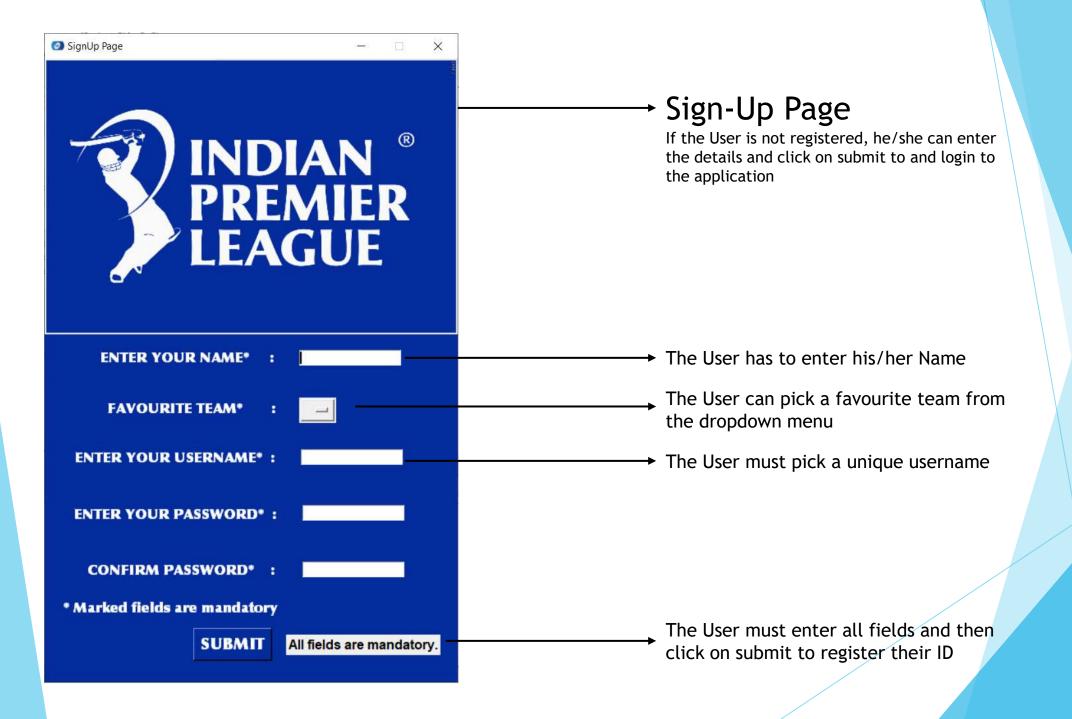
TECHNICAL CONTENT

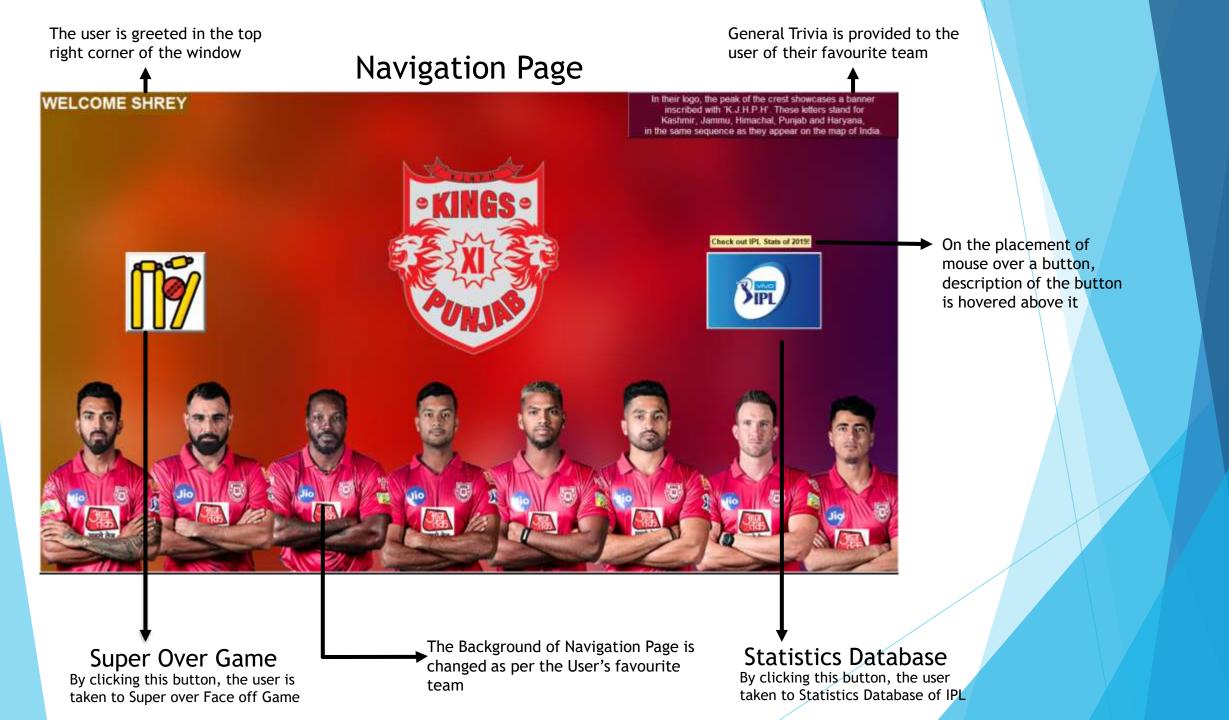
- Software -
 - Pycharm Community Edition 2019.3.1
 - MySQL Workbench 8.0 CE
 - Adobe Photoshop CC 2015
- Libraries -
 - Tkinter For GUI
 - From Tkinter import messagebox for message box
 - MySQL-connector For connecting GUI and MySQL
 - Import webbrowser For interface to allow displaying Web-based documents
 - Import random For implementing pseudo-random number generators for various distributions.

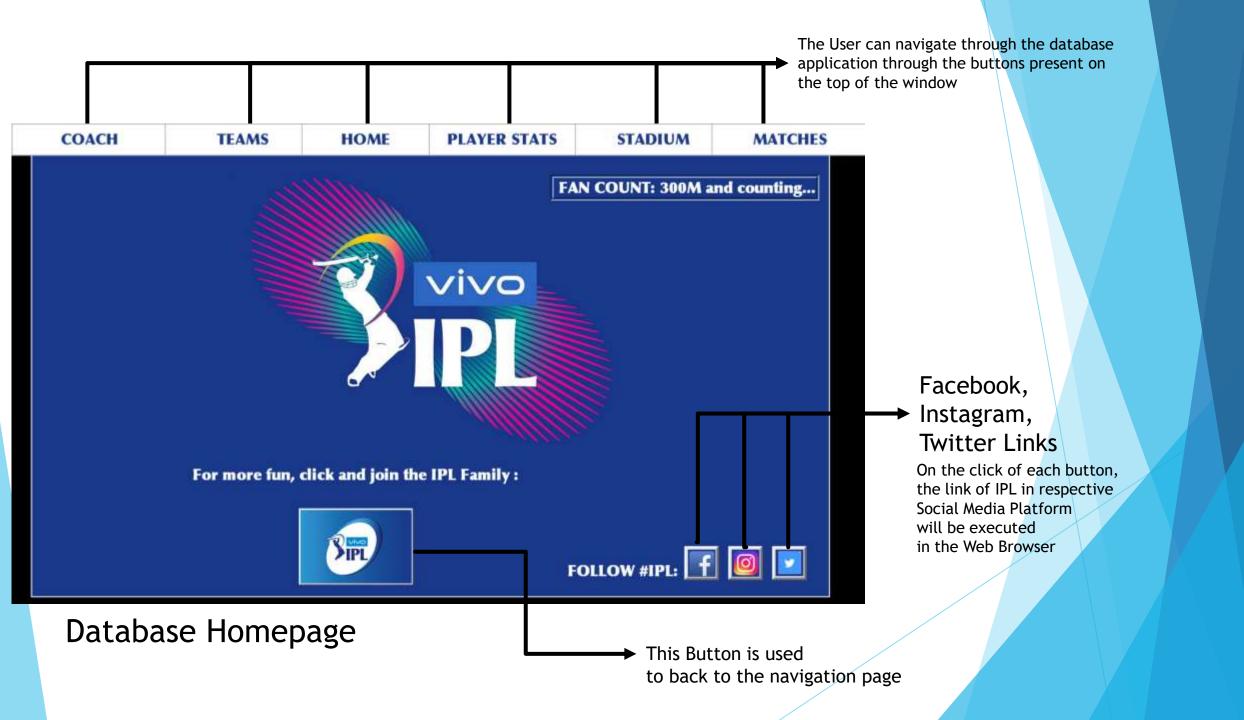
IMPLEMENATION













By clicking the Facebook button, the Facebook page of IPL is opened in a browser





Coach Display

By Clicking the Coach Button present on the Navigation bar, the user is shown the details of IPL Coaches of the current 8 teams



Teams Display

By Clicking the Team Button present on the Navigation bar, the user is shown the details of all the current teams in the IPL

	JI O IVI	STAI	PLAYER STATS	OME	EAMS HO	Т	COACH
Avg_Score	apacity	(Address		Team Name	ıme	Name
150	33500	•	Road, Chepauk, Chennal, Tamil Nac	Wallajah i	Chennal Super Kings	fambaram Stadium	M. A. Chidamh
155	41820		shah Zafar Marg, Delhi	Bahadur S	Delhi Capitals	ey Stadium	Arun Jaitley Sta
180	26000	t Singh Nagar	a Stadium, Sector 63, Sahibzada Ajit	I.S. Bindra	Kings XI Punjab	um, Mohali	• PCA Stadium,
185	68000		gh, Kolkata, West Bengal 700021	B.B.D. Ba	Kolkata Knight Riders	lens	• Eden Gardens
190	33108	harashtra 400020	nkad Rd, Churchgate, Mumbai, Mal	Vinoo Ma	Mumbai Indians	: Stadium	Wankhede Stad
165	30000	an 302005	gar Nigam, Lalkothi, Jaipur, Rajasth	Jaipur Nag	Rajasthan Royals	nsingh Stadium	Sawai Mansing
190	40000	taka 560001	d, Shivaji Nagar, Bengaluru, Karnat	re Cubbon R	Royal Challengers Bangalor	swamy Stadium	M. Chinnaswar
175	55000		derabad, Telangana 500039	Uppal, Hy	Sunrisers Hyderabad	dhi Intel Stadium	Rajiv Gandhi Is
	55000		derabad, Telangana 500039		Sunrisers Hyderabad		

Stadium Image

和事

Stadium Display

By Clicking the Stadium Button present on the Navigation bar, the user is shown the details of every stadium used by teams in the IPL General Stadium Trivia

Statistics Homepage



The Orange Colour represents the Orange cap winner awarded to the player with most runs



Implementation of Stats button to get most runs

Every Stats of the button pressed is shown in the first row

COACH TE		EAMS	HOME	PLAYER ST	TATS STA	STADIUM	
ACK	MATCHES	NAM	E	S.R.	AVERAGE	RUNS	NEX
	64	Andre R	ussell	186.41	33.33	1400	
	110	Sunil Na	arine	168.34	17.52	771	
	54	Rishabh	Pant	162.69	36.16	1736	
	69	Glenn N	taxwell	161.13	22.9	1397	
	61	Chris M	orris	157.62	27.21	517	
	10	Jonny B	airstow	157.24	55.62	445	
	66	Hardik l	Pandya	154.78	28.86	1068	
	154	AB de V	illiers	151.23	39.95	4395	
	125	Chris G	ayle	151.02	41.13	4484	
	45	Jos Butt	ler	150.81	35.53	1386	
	148	Kieron I	Pollard	146.77	28.69	2755	
	55	Krunal I	Pandya	146.06	26.2	891	
	33	Sarfaraz	z Khan	142.65	27.2	408	
	126	David W	/arner	142.39	43.17	4706	

Implementation of Stats button to get highest Strike Rate

COACH	T	EAMS	HOME	PLAYER	STATS STAI	DIUM	MATCHES
BACK	MATCHES 122	NAME Lasith M		WICKETS 170	AVERAGE 19.8	S.R 16.62	NEX
	147	Amit Mi	Table Service	157	24.19	19.75	
	160	Harbhaj	Harbhajan Singh		26.44	22.49	
	157	Piyush Chawla		150	27.14	20.82	
	134	Dwayne Bravo		147	24.6	17.59	
	117	Bhuvneshwar Kumar		133	23.71	19.63	
	139	Ravicha	ndran Ashwin	125	26.48	23.39	
	110	Sunil Na	rine	122	23.31	20.96	
	119	Umesh \	Yadav	119	29.37	20.84	
	170	Ravindr	a Jadeja	108	29.18	23.1	
	84	Yuzvend	Ira Chahal	100	23.18	17.87	
	92	Dale Ste	:yn	96	24.73	21.93	
	79	Sandeep	Sharma	95	23.91	18.36	
	134	Shane V	Vatson	92	29.15	22.05	

Implementation of Stats button to get most wickets

COACH	TEAMS	HOME	PLAYER STATS	STADIUM	MATCHES
BACK	MATCHES	NAME	ECONOMY	WICKETS	NEX
	7	Lungi Ngidi	6.0	11	
	46	Rashid Khan	6.55	55	
	110	Sunil Narine	6.67	122	
	92	Dale Steyn	6.76	96	
	139	Ravichandran Ashwi	n 6.79	125	
	16	Moeen Ali	6.96	9	
	160	Harbhajan Singh	7.05	150	
	122	Lasith Malinga	7.14	170	
	55	Krunal Pandya	7.16	40	
	117	Bhuvneshwar Kumai	7.24	133	
	147	Amit Mishra	7.35	157	
	193	Suresh Raina	7.38	25	
	82	Axar Patel	7.45	71	
	64	Shabaz Nadeem	7.48	42	

Implementation of Stats button to get best Economy

All the matches are divided according to the couple weeks in which they are played, each button in this page, when clicked will show the 14 matches played in the respective weeks.



Playoff Button consists of matches played between the top 4 teams qualified to decide the winner of IPL

Matches Display

		Activities and the second seco	And the second s	
BACK				
NO.	WINNER	LOSER	RESULT	VENUE
57	Membal Indian	Chessal Super Kings	Membal Indians was by 6 wickets	M. A. Chidamburan Stadiem
	Delki Capitals	Searleers Hyderahad	Delhi Capitals won by 2 wickets	ACA-VDCA Cricket Studium
39	Chennal Super Kings	Delhi Capitals	Chesnal Super Kings won by 6 wickets	ACA-VDCA Cricket Studiem
**	Manhal Indians	Chronal Super Kings	Mambal bulians won by 1 ren	Rajis Gandhi International Cricket Stadius
		226		#OneFamily

HOME

COACH

TEAMS

PLAYER STATS

MATCHES

COACH

TEAMS

Royal Challengers Bangalore Kings XI Punjah

STADIUM



Playoff Button Display

Week 5 & 6 Display

PLAYER STATS

STADIUM

M. Chinnarwamy Stadium

MATCHES

HOME

NO. WINNER LOSER RESULT **VENUE** 29 Chennal Super Kings Kolkata Knight Riders Chennal Super Kings won by 5 wickets **Eden Gardens Delhi Capitals** Sunrisers Hyderahad Delhi Capitals won by 39 runs Rajiv Gandhi International Cricket Stadium Mumbal Indians Royal Challengers Bangalore Mumbai Indians won by 5 wickets **Wankhede Stadium** Kings XI Punjab Kings XI Punjab won by 12 runs PCA Stadium, Mohali Rajiv Gandhi International Cricket Stadium Sunriners Hyderahad Chennal Super Kings Sunrisers Hyderahad won by 6 wickets **Mumbal Indians Delhi Capitals** Mumbal Indians won by 46 runs **Aren Jaitley Stadium** Royal Challengers Bangalore Kolkata Keight Riders Royal Challengers Rangalore won by 10 runs Eden Gardens Rajasthan Royals Rajasthan Royals won by 5 wickets Sawal Manningh Stadium **Delhi Capitals** Kings XI Punjah Delhi Capitals won by 5 wickets **Arun Jaitley Stadium Kolksta Knight Riders** Sunrisers Hyderahad won by 9 wickels Rajiv Gandhi International Cricket Stadium Chennal Super Kings Royal Challengers Bangalore won by 1 run Delhi Capitals won by 6 wickets **Delhi Capitals** Sawai Maneingh Stadium Chennal Super Kings Sunrisers Hyderabad Chennal Super Kings won by 6 wickets M. A. Chidambaram Stadium Royal Challengers Bangakore won by 17 runs



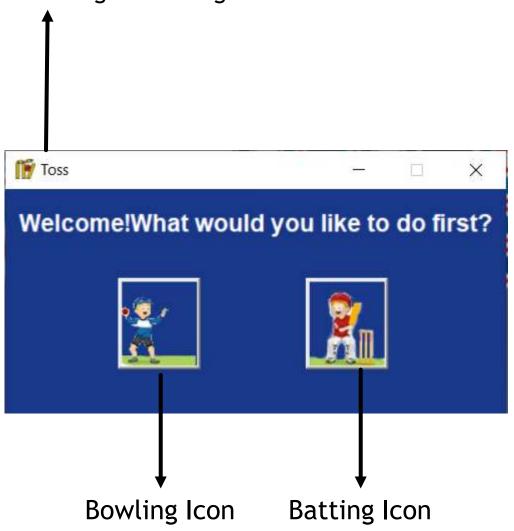
The user is given an option to select their team to play with.

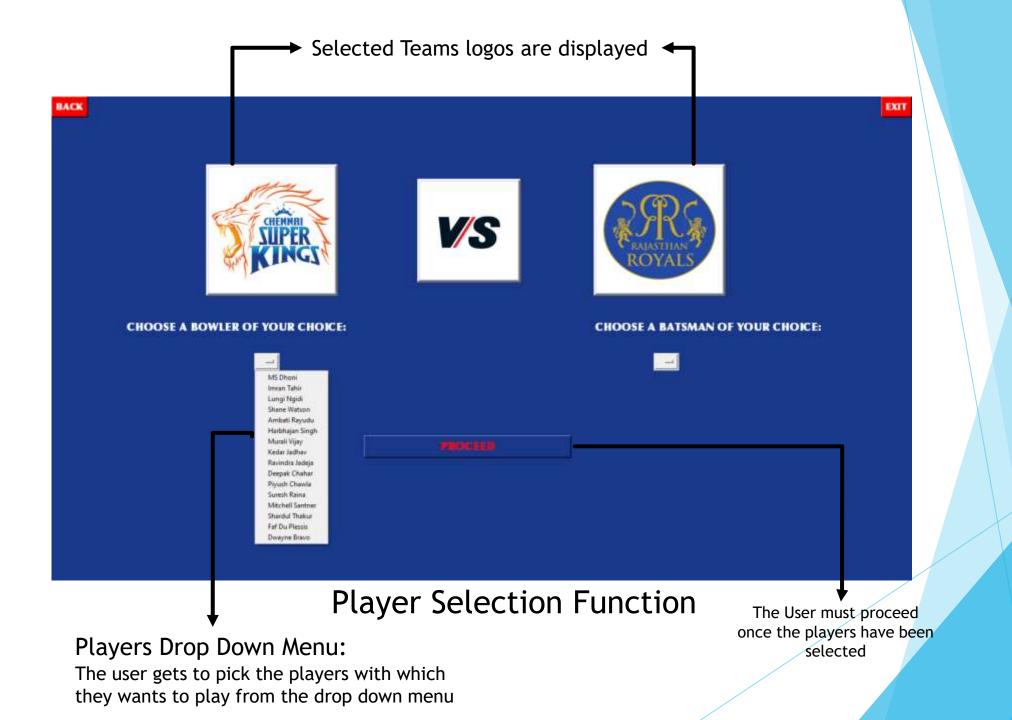
The user also gets the option of picking up an opponent team to play the game.

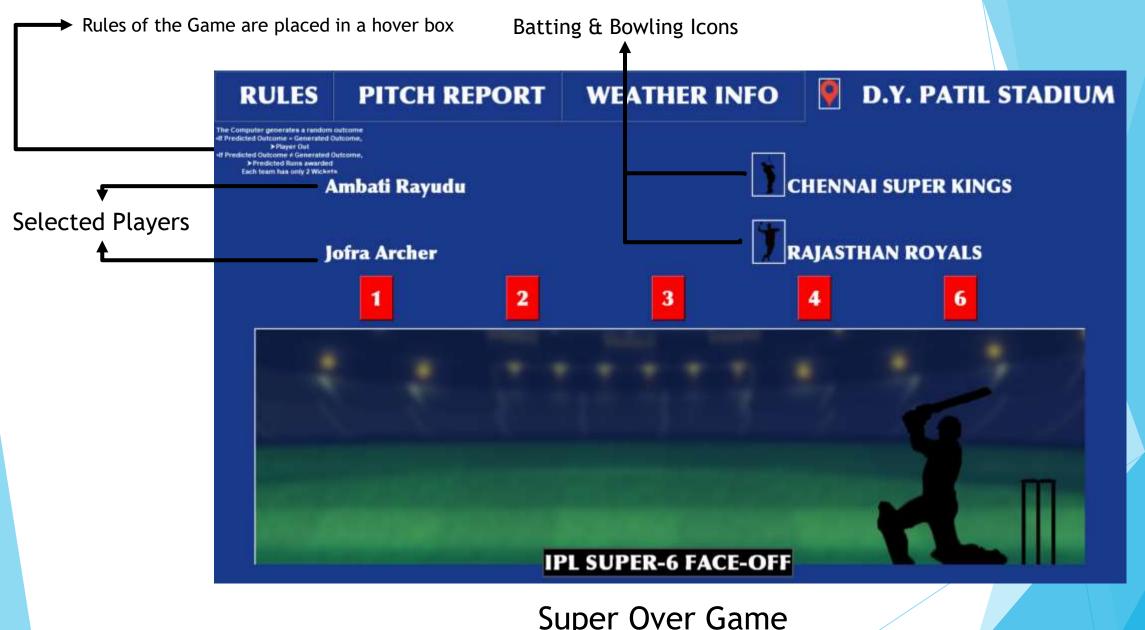
However, the user cannot pick the same team twice i.e. as their own team and rival team



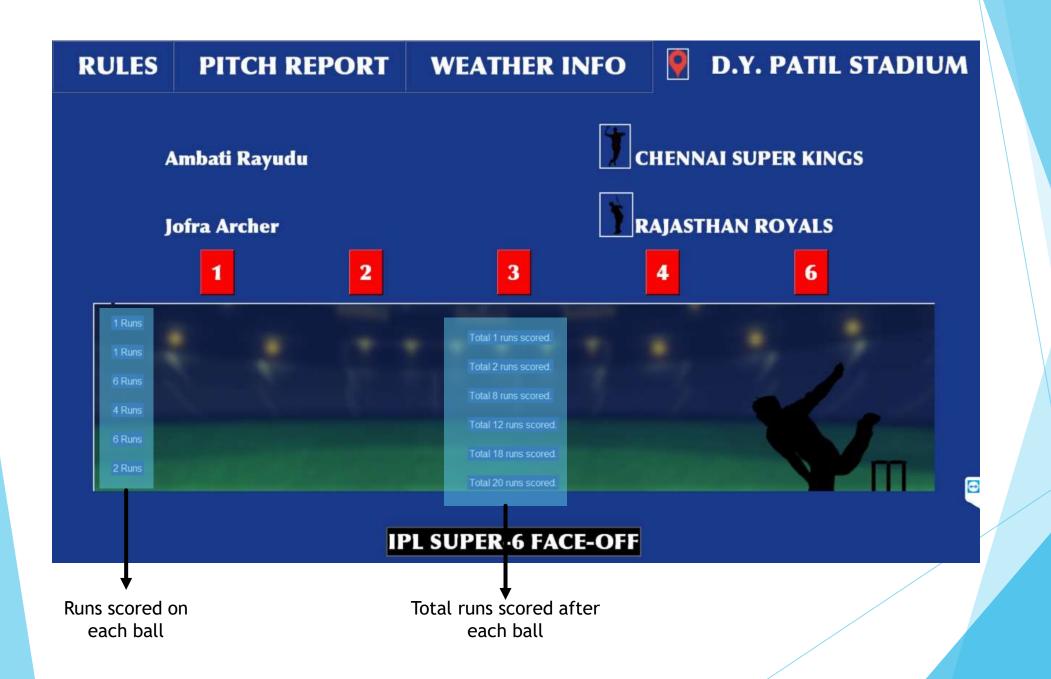
A New window "Toss" is created for the user to choose between batting or bowling first







Super Over Game Function



Innings Break Window is generated for the user to switch sides, i.e. Batting in this case



Batting Icon/Bowling Icon this icon is the opposite of what they chose first

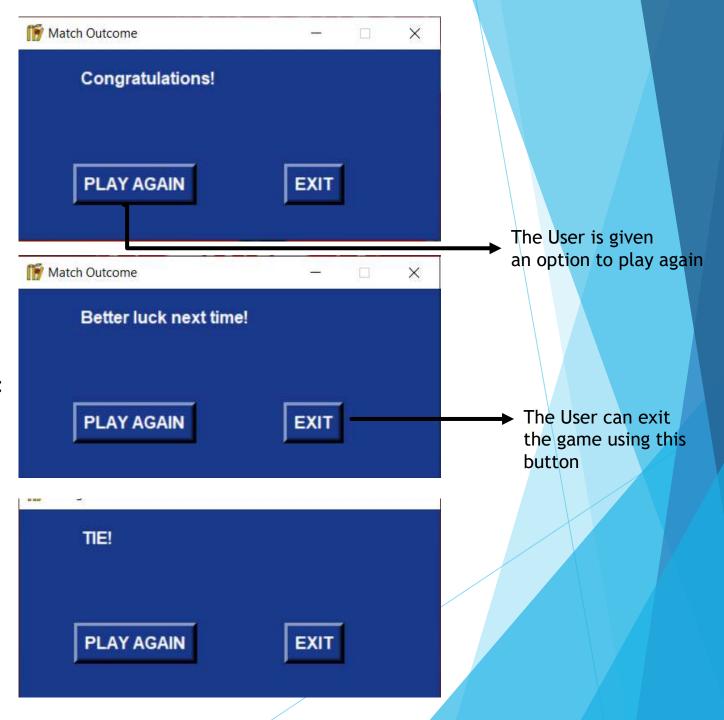
Weather info is placed in a hover box **D.Y. PATIL STADIUM WEATHER INFO RULES PITCH REPORT** The forecast for the match day is expected to make the fans happy as it would be a sunny day with a gentle breeze blowing **CHENNAI SUPER KINGS Ambati Rayudu** In this case, the Computer generated number matched with **RAJASTHAN ROYALS Jofra Archer** the user's predicted number causing a wicket Boundary ... 4 Runs Total 4 runs scored 3 Runst Total 7 runs scored. Biggiee 6 Runst Total 13 runs scored. Total 13 runs scored. 1 Run Total 14 runs scored. 2 Runs Total 16 runs scored. IPL SUPER-6 FACE-OFF The Background of the Canvas changes according to user's choice of batting or bowling

According to the Scores,
 the Match outcome is predicted by:

If the User outscores the Computer:

If the User cannot score more than the Computer:

If both User and Computer scores are level:



CONCLUSION

- We designed an application for the Indian Premier League with the goal of displaying the statistical data of all the players currently playing for an IPL team and also to display the previous season's match schedule and results.
- This database should be able to satisfy our user's need of and becomes a benchmark for further improvement/addition.
- The project has scope of adding various other leagues and in depth statistical parameters