



East West University

Course Code & Name: CSE 302 (Database Systems)

Course Instructor: Sanzana Karim Lora

Course Section: 10

Academic Session: Summer 2025

Project Report

Group No.- 03

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Project Title:

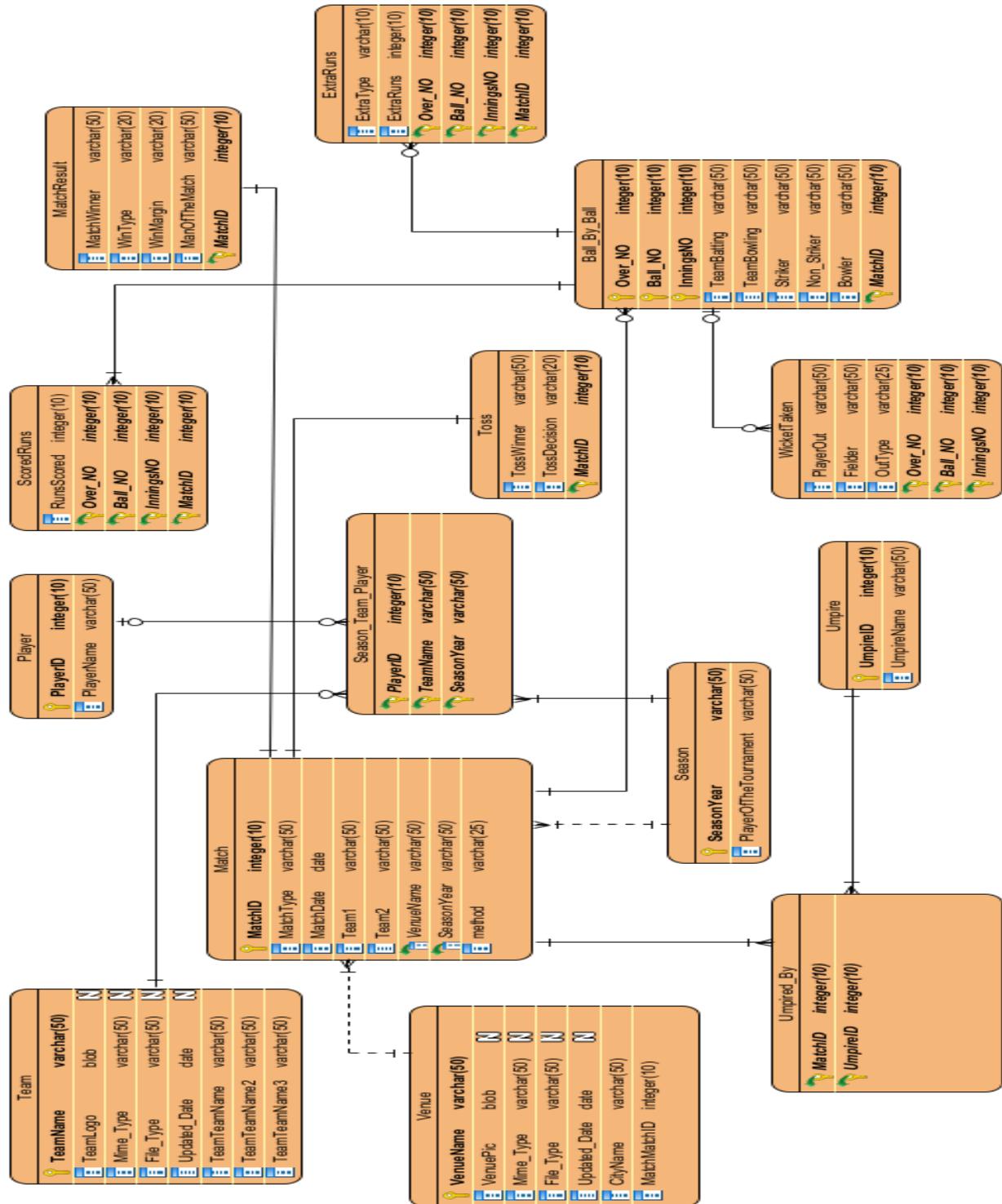
****BPL DataVault : A BPL Database Management System****

Submission Date & Day: September 04, 2025 (Thursday)

Table of Contents

Topic	Page No.
ER- Model: Relational Diagram	03
Implementation Checklist	04
Normalization	05-14
Pages	15-42
Authorization and User Role Assignment	42
Page-Wise Authorization Information	43
Conclusion	45

ER- Model: Relational Diagram:



Implementation Checklist:

Description	Remarks
Project ID	14889
Workspace Name	Sakin_Workspace
Workspace Email	abirrahman.sakin@gmail.com
Workspace Password	#spsakin@329
Authentication Type	Custom
Username and Password to Login	User: sakin (Administrator) Password: lion User: julfiker (Administrator) Password: monkey User: sudeep (Administrator) Password: sheep User: rashed (Administrator) Password: rashed User: thor (Contributor) Password: loki User: messi (reader) Password: goat User: neymar (reader) Password: goat User: ronaldo (reader) Password: goat
Uploaded and Displayed Images in Reports	yes
Implemented Page-wise Authorization	yes
Number of Total Pages	51
Number of Reports with Forms	34
Number of Reports based on Queries, Aggregate Queries	13
Number of Graphs/Charts	9

Normalization:

1. Team

Column Name	Data Type	Constraints
TeamName	VARCHAR2	NOT NULL, PRIMARY KEY
TeamLogo	BLOB	

Team table is in BCNF.

Primary Key: TeamName

Non-Key columns: TeamLogo, Mime_Type, File_Type, Updated_Date.

Functional Dependencies:

TeamName → TeamLogo, Mime_Type, File_Type, Updated_Date

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

2. Venue

Column Name	Data Type	Constraints
VenueName	VARCHAR2	NOT NULL, PRIMARY KEY
VenuePic	BLOB	
CityName	VARCHAR2	

Venue table is in BCNF.

Primary Key: VenueName

Non-Key columns: VenuePic, Mime_Type, File_Type, Updated_Date, CityName.

Functional Dependencies:

VenueName → VenuePic, Mime_Type, File_Type, Updated_Date, CityName

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

3. Match

Column Name	Data Type	Constraints
MatchID	NUMBER	NOT NULL, PRIMARY KEY
MatchType	VARCHAR2	
MatchDate	DATE	
Team1	VARCHAR2	
Team2	VARCHAR2	
VenueName	VARCHAR2	
SeasonYear	VARCHAR2	
Method	VARCHAR2	

Match table is in BCNF.

Primary Key: MatchID

Non-Key columns: MatchType, MatchDate, Team1, Team2, VenueName, SeasonYear, Method.

Functional Dependencies:

MatchID → MatchType, MatchDate, Team1, Team2, VenueName, SeasonYear, Method

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.

- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

4. Player

Column Name	Data Type	Constraints
PlayerID	NUMBER	NOT NULL, PRIMARY KEY
PlayerName	VARCHAR2	

Player table is in BCNF.

Primary Key: PlayerID

Non-Key columns: PlayerName.

Functional Dependencies:

PlayerID → PlayerName

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

5. Season

Column Name	Data Type	Constraints
SeasonYear	VARCHAR2	NOT NULL, PRIMARY KEY
PlayerOfTheTournament	VARCHAR2	

Season table is in BCNF.

Primary Key: SeasonYear

Non-Key columns: PlayerOfTheTournament.

Functional Dependencies:

SeasonYear → PlayerOfTheTournament

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

6. Season Team Player

Column Name	Data Type	Constraints
PlayerID	NUMBER	PRIMARY KEY
TeamName	VARCHAR2	PRIMARY KEY
SeasonYear	VARCHAR2	PRIMARY KEY

Season_Team_Player table is in BCNF.

Primary Key: (PlayerID, TeamName, SeasonYear)

Non-Key columns: None.

Functional Dependencies:

No non-key attributes

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

7. Umpire

Column Name	Data Type	Constraints
UmpireID	NUMBER	NOT NULL, PRIMARY KEY
UmpireName	VARCHAR2	

Umpire table is in BCNF.

Primary Key: UmpireID

Non-Key columns: UmpireName.

Functional Dependencies:

$\text{UmpireID} \rightarrow \text{UmpireName}$

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

8. Umpired_By

Column Name	Data Type	Constraints
MatchID	NUMBER	PRIMARY KEY
UmpireID	NUMBER	PRIMARY KEY

***Umpired_By* table is in BCNF.**

Primary Key: (MatchID, UmpireID)

Non-Key columns: None.

Functional Dependencies:

No non-key attributes

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

9. Toss

Column Name	Data Type	Constraints
MatchID	NUMBER	NOT NULL, PRIMARY KEY
TossWinner	VARCHAR2	
TossDecision	VARCHAR2	

Toss table is in BCNF.

Primary Key: MatchID

Non-Key columns: TossWinner, TossDecision.

Functional Dependencies:

MatchID → TossWinner, TossDecision

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

10. ScoredRuns

Column Name	Data Type	Constraints
OverNO	NUMBER	PRIMARY KEY
Ball NO	NUMBER	PRIMARY KEY
InningsNo	NUMBER	PRIMARY KEY
MatchID	NUMBER	PRIMARY KEY
RunScored	NUMBER	

ScoredRuns table is in BCNF.

Primary Key: (OverNO, Ball_NO, InningsNo, MatchID)

Non-Key columns: RunScored.

Functional Dependencies:

(OverNO, Ball_NO, InningsNo, MatchID) → RunScored

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

11. MatchResult

Column Name	Data Type	Constraints
MatchID	NUMBER	NOT NULL, PRIMARY KEY
MatchWinner	VARCHAR2	
WinType	VARCHAR2	
WinMargin	VARCHAR2	
ManOfTheMatch	VARCHAR2	

MatchResult table is in BCNF.

Primary Key: MatchID

Non-Key columns: MatchWinner, WinType, WinMargin, ManOfTheMatch.

Functional Dependencies:

MatchID → MatchWinner, WinType, WinMargin, ManOfTheMatch

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

12. ExtraRuns

Column Name	Data Type	Constraints
OverNO	NUMBER	PRIMARY KEY
Ball_NO	NUMBER	PRIMARY KEY
InningsNo	NUMBER	PRIMARY KEY
MatchID	NUMBER	PRIMARY KEY
ExtraType	VARCHAR2	
ExtraRuns	NUMBER	

ExtraRuns table is in BCNF.

Primary Key: (OverNO, Ball_NO, InningsNo, MatchID)

Non-Key columns: ExtraType, ExtraRuns.

Functional Dependencies:

(OverNO, Ball_NO, InningsNo, MatchID) → ExtraType, ExtraRuns

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

13. Ball_By_Ball

Column Name	Data Type	Constraints
OverNO	NUMBER	PRIMARY KEY
Ball_NO	NUMBER	PRIMARY KEY
InningsNo	NUMBER	PRIMARY KEY
MatchID	NUMBER	PRIMARY KEY
TeamBatting	VARCHAR2	
Team_Bowling	VARCHAR2	
Striker	NUMBER	
Non-Striker	NUMBER	
Bowler	NUMBER	

Ball_By_Ball table is in BCNF.

Primary Key: (OverNO, Ball_NO, InningsNo, MatchID)

Non-Key columns: TeamBatting, Team_Bowling, Striker, Non-Striker, Bowler.

Functional Dependencies:

(OverNO, Ball_NO, InningsNo, MatchID) → TeamBatting, Team_Bowling, Striker, Non-Striker, Bowler

BCNF Check:

- **1NF (First Normal Form):** All columns contain atomic values, no repeating groups.
- **No Partial Dependencies:** No partial dependencies exist; table satisfies **2NF**.
- **No Transitive Dependencies:** No non-key attribute depends on another non-key attribute; satisfies **3NF**.
- **BCNF Rule:** All functional dependencies have candidate keys on **LHS**.

14. WicketTaken

Column Name	Data Type	Constraints
OverNO	NUMBER	PRIMARY KEY
Ball_NO	NUMBER	PRIMARY KEY
InningsNo	NUMBER	PRIMARY KEY
MatchID	NUMBER	PRIMARY KEY
PlayerOut	VARCHAR2	
Fielder	VARCHAR2	
OutType	VARCHAR2	

WicketTaken table is in BCNF.

Primary Key: (OverNO, Ball_NO, InningsNo, MatchID)

Non-Key columns: PlayerOut, Fielder, OutType.

Functional Dependencies:

(OverNO, Ball_NO, InningsNo, MatchID) → PlayerOut, Fielder, OutType

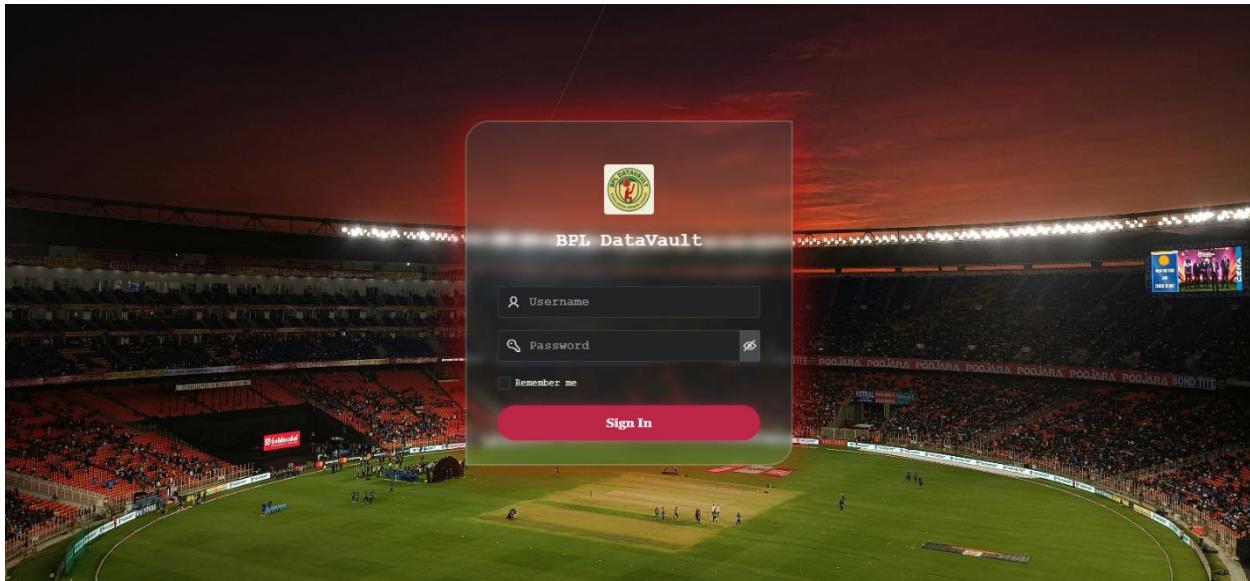
BCNF Check:

- 1NF (First Normal Form): All columns contain atomic values, no repeating groups.
- No Partial Dependencies: No partial dependencies exist; table satisfies 2NF.
- No Transitive Dependencies: No non-key attribute depends on another non-key attribute; satisfies 3NF.
- BCNF Rule: All functional dependencies have candidate keys on LHS.

Pages:

Report Page Number and Name	Form Page Number and Name	Table
2. Ball_By_Ball	3. Ball_By_Ball Form	Ball_By_Ball
4. ExtraRuns	5. ExtraRuns Form	ExtraRuns
6. Match	7. Match Form	Match
8. MatchResult	9. MatchResult Form	MatchResult
10. Player	11. Player Form	Player
12. ScoredRuns	13. ScoredRuns Form	ScoredRuns
14. Season	15. Season Form	Season
16. Season_Team_Player	17. Season_Team_Player Form	Season_Team_Player
18. Team	19. Team Form	Team
20. Toss	21. Toss Form	Toss
22. Umpire	23. Umpire Form	Umpire
24. UmpiredBy	25. UmpiredBy Form	UmpiredBy
26. Venue	27. Venue Form	Venue
28. WicketTaken	29. WicketTaken Form	WicketTaken

Login page:



Dashboard: Home Page - 1

A screenshot of the 'BPL DataVault' dashboard. The top navigation bar includes links for 'Install App', a user icon, and a search bar with the text 'julfiker'. The main header features the 'BPL 2019' logo and the text 'Bangladesh Premier League'. On the left, a sidebar menu lists various data categories: Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team, Toss, Umpire, Umpired By, Venue, and Wicket Taken. The main content area shows two players in red jerseys standing in front of a large, ornate pink building, with a golden trophy between them. The BPL 2019 logo is also visible in the top right corner of the content area.

Page2: Ball_By_Ball Report Page



BPL DataVault

Home

Ball By Ball

- Extra Runs
- Match
- Match Result
- Player
- Scored Runs
- Season
- Season Team Player
- Team
- Toss
- Umpire
- Umpired By
- Venue
- Wicket Taken

Actions ▾

Go

Create

MatchID	InningsNo	OverNo	Ball No	TeamBatting	Team Bowling	Striker	Non Striker	Bowler
2501	1	0	1	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	0	2	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	0	3	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	0	4	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	0	5	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	0	6	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	Shaheen Shah Afridi
2501	1	1	1	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	KR Mayers
2501	1	1	2	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Jishan Alam	KR Mayers
2501	1	1	3	Durbar Rajshahi	Fortune Barishal	Jishan Alam	Mohammad Haris	KR Mayers
2501	1	1	4	Durbar Rajshahi	Fortune Barishal	Jishan Alam	Mohammad Haris	KR Mayers
2501	1	1	5	Durbar Rajshahi	Fortune Barishal	Anamul Haque	Mohammad Haris	KR Mayers
2501	1	1	6	Durbar Rajshahi	Fortune Barishal	Anamul Haque	Mohammad Haris	KR Mayers
2501	1	1	7	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Anamul Haque	KR Mayers
2501	1	2	1	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Anamul Haque	Shaheen Shah Afridi
2501	1	2	2	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Anamul Haque	Shaheen Shah Afridi
2501	1	2	3	Durbar Rajshahi	Fortune Barishal	Mohammad Haris	Anamul Haque	Shaheen Shah Afridi
2501	1	2	4	Durbar Rajshahi	Fortune Barishal	Anamul Haque	Mohammad Haris	Shaheen Shah Afridi
2501	1	2	5	Durbar Rajshahi	Fortune Barishal	Anamul Haque	Mohammad Haris	Shaheen Shah Afridi

Page3: Ball_By_Ball Form Page



BPL DataVault

Home

Ball By Ball

- Extra Runs
- Match
- Match Result
- Player
- Scored Runs
- Season
- Season Team Player
- Team
- Toss
- Umpire
- Umpired By
- Venue
- Wicket Taken

Actions ▾

Go

Ball By Ball Form

MatchID	<input type="text"/>
Innings No	<input type="text"/>
Over No	<input type="text"/>
Ball No	<input type="text"/>
Teambatting	<input type="text"/>
Team Bowling	<input type="text"/>
Striker	<input type="text"/>
Non Striker	<input type="text"/>
Bowler	<input type="text"/>
<input type="button" value="Cancel"/>	<input type="button" value="Create"/>

Page4: Extra Runs Report Page

The screenshot shows a web-based application interface for the BPL DataVault. The left sidebar contains a navigation menu with items like Home, Ball By Ball, Extra Runs (which is selected), Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team, Toss, Umpire, Umpired By, Venue, and Wicket Taken. The main content area has a search bar and a table with the following data:

	Matchid	Inningsno	Overno	Ball No	Extratype	Extraruns
<input type="checkbox"/>	2501	1	0	6	legbyes	1
<input type="checkbox"/>	2501	1	1	2	wides	1
<input type="checkbox"/>	2501	1	2	3	wides	2
<input type="checkbox"/>	2501	1	3	4	wides	1
<input type="checkbox"/>	2501	1	4	3	wides	1
<input type="checkbox"/>	2501	1	6	4	byes	4
<input type="checkbox"/>	2501	1	15	5	wides	1
<input type="checkbox"/>	2501	1	17	5	wides	1
<input type="checkbox"/>	2501	1	17	7	wides	1
<input type="checkbox"/>	2501	1	18	1	legbyes	2
<input type="checkbox"/>	2501	1	19	4	wides	1
<input type="checkbox"/>	2501	2	6	5	wides	1
<input type="checkbox"/>	2501	2	11	1	wides	1
<input type="checkbox"/>	2501	2	13	5	legbyes	1
<input type="checkbox"/>	2501	2	15	1	wides	1
<input type="checkbox"/>	2501	2	15	2	wides	1
<input type="checkbox"/>	2502	1	1	5	wides	1
<input type="checkbox"/>	2502	1	2	5	wides	1

Page5: Extra Runs Form Page

The screenshot shows the Extra Runs Form page. The left sidebar is identical to the previous page. The main area has a table of extra runs data and a form on the right with the following fields:

	Matchid	Inningsno	Overno
<input type="checkbox"/>	2501	1	0
<input type="checkbox"/>	2501	1	1
<input type="checkbox"/>	2501	1	2
<input type="checkbox"/>	2501	1	3
<input type="checkbox"/>	2501	1	4
<input type="checkbox"/>	2501	1	6
<input type="checkbox"/>	2501	1	15
<input type="checkbox"/>	2501	1	17
<input type="checkbox"/>	2501	1	17
<input type="checkbox"/>	2501	1	18
<input type="checkbox"/>	2501	1	19
<input type="checkbox"/>	2501	2	6
<input type="checkbox"/>	2501	2	11
<input type="checkbox"/>	2501	2	13
<input type="checkbox"/>	2501	2	15
<input type="checkbox"/>	2501	2	15
<input type="checkbox"/>	2502	1	1
<input type="checkbox"/>	2502	1	2

Form Fields (right side):

- Matchid: [Input field]
- Inningsno: [Input field]
- Overno: [Input field]
- Ball No: [Input field]
- Extratype: [Input field]
- Extraruns: [Input field]

Buttons at the bottom: Cancel, Create

Page6: Match Report Page

The screenshot shows a table of match records. The columns are:

- MatchID
- Team1
- Team2
- Matchtype
- Matchdate
- Venuename
- Seasonyear
- Method

The data includes:

MatchID	Team1	Team2	Matchtype	Matchdate	Venuename	Seasonyear	Method
2501	Fortune Barishal	Durbar Rajshahi	League	12/30/2024	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2502	Rangpur Riders	Dhaka Capitals	League	12/30/2024	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2503	Khulna Tigers	Chittagong Kings	League	12/31/2024	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2504	Sylhet Strikers	Rangpur Riders	League	12/31/2024	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2505	Durbar Rajshahi	Dhaka Capitals	League	1/2/2025	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2506	Fortune Barishal	Rangpur Riders	League	1/2/2025	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2507	Durbar Rajshahi	Chittagong Kings	League	1/3/2025	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2508	Dhaka Capitals	Khulna Tigers	League	1/3/2025	Sher-e-Bangla National Cricket Stadium	Mehedi Hasan Miraz	
2509	Sylhet Strikers	Rangpur Riders	League	1/6/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2510	Fortune Barishal	Durbar Rajshahi	League	1/6/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2511	Rangpur Riders	Dhaka Capitals	League	1/7/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2512	Fortune Barishal	Sylhet Strikers	League	1/7/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2513	Fortune Barishal	Rangpur Riders	League	1/9/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2514	Dhaka Capitals	Chittagong Kings	League	1/9/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2515	Durbar Rajshahi	Khulna Tigers	League	1/10/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2516	Dhaka Capitals	Sylhet Strikers	League	1/10/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2517	Khulna Tigers	Sylhet Strikers	League	1/12/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	
2518	Durbar Rajshahi	Dhaka Capitals	League	1/12/2025	Sylhet International Cricket Stadium	Mehedi Hasan Miraz	

Page7: Match Form Page

The screenshot shows a form titled "Match Form". The fields are:

- MatchID
- Team1
- Team2
- Matchtype
- Matchdate
- Venuename
- Seasonyear
- Method

At the bottom right is a "Create" button.

Page8: Match Result Report Page

The screenshot shows a table with 18 rows of match results. The columns are:

MatchID	Matchwinner	WinType	WinMargin	Manofthematch
2501	Fortune Barishal	wickets	4	Mahmudullah
2502	Rangpur Riders	runs	40	Khushdil Shah
2503	Khulna Tigers	runs	37	Mahidul Islam Anlon
2504	Rangpur Riders	runs	34	Nahid Rana
2505	Durbar Rajdhani	wickets	7	Tasmin Ahmed
2506	Rangpur Riders	wickets	8	Saf Hassan
2507	Chittagong Kings	runs	105	Usman Khan
2508	Khulna Tigers	runs	20	Mehidy Hasan
2509	Rangpur Riders	wickets	8	AD Hales
2510	Fortune Barishal	wickets	7	Tamim Iqbal
2511	Rangpur Riders	wickets	7	Nahid Rana
2512	Fortune Barishal	wickets	7	Jahandad Khan
2513	Rangpur Riders	wickets	3	Nurul Hasan
2514	Chittagong Kings	wickets	7	Khaled Ahmed
2515	Durbar Rajdhani	runs	28	RP Buri
2516	Sylhet Strikers	wickets	3	Zakir Hasan
2517	Sylhet Strikers	runs	8	Zakir Hasan
2518	Dhaka Capitals	runs	145	Liton Das

Page9: Match Result Form Page

The screenshot shows a form titled "Match Result Form" with five input fields:

- MatchID
- Matchwinner
- WinType
- WinMargin
- Manofthematch

At the bottom right of the form is a blue "Create" button.

Page 10: Player Report Page

The screenshot shows a web-based application interface for managing player data. On the left is a dark sidebar menu with various options like Home, Ball By Ball, Extra Runs, Match, Match Result, Player (which is selected), Scored Runs, Season, Season Team Player, Team, Toss, Umpire, Umpired By, Venue, and Wicket Taken. The main area has a header with a search bar, a 'Go' button, and an 'Actions' dropdown. A large table below lists 18 players, each with a 'Edit' icon. The columns are 'PlayerID' and 'Playername'. The data is as follows:

	PlayerID	Playername
	1	AD Hales
	2	AD Russell
	3	AI Ross
	4	Aamer Jamal
	5	Aaron Jones
	6	Abu Hider
	7	Abu Javed
	8	Afif Hossain
	9	Aftab Alam
	10	Ahsan Bhatti
	11	Akbar Ali
	12	Akif Javed
	13	Al Islam
	14	Al-Amin Hossain
	15	Alauddin Babu
	16	Amir Hamza
	17	Anamul Haque
	18	Arafat Sunny

Page 10: Player Form Page

The screenshot shows a 'Player Form' dialog box. At the top right are links for 'Install App', a help icon, and a search bar. The dialog has a title 'Player Form' and two input fields: 'PlayerID' and 'Playername'. Below the fields are 'Cancel' and 'Create' buttons. The sidebar on the left is identical to the one in the previous screenshot.

Page 12: Scored Runs Reports Page

BPL DataVault

Home

Scored Runs

	Matchid	Inningsno	Overno	Ball No	Runscored
2501	1	0	1		0
2501	1	0	2		0
2501	1	0	3		0
2501	1	0	4		2
2501	1	0	5		0
2501	1	0	6		0
2501	1	1	1		1
2501	1	1	2		0
2501	1	1	3		0
2501	1	1	4		0
2501	1	1	5		0
2501	1	1	6		1
2501	1	1	7		1
2501	1	2	1		2
2501	1	2	2		6
2501	1	2	3		0
2501	1	2	4		0
2501	1	2	5		6

Page 13: Scored Runs From Page

Scored Runs Form

MatchID

InningsNo

Overno

Ball No

Runscored

Create

Page 14: Season Report Page

The screenshot shows a web-based application interface for the BPL DataVault. The left sidebar contains a navigation menu with items such as Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season (which is selected), Season Team Player, Team, Toss, Umpire, Umpired By, Venue, and Wicket Taken. The main content area has a search bar at the top with a 'Go' button and an 'Actions' dropdown. Below the search bar is a table with two columns: 'Seasonyear' and 'Playerofthetournament'. The 'Seasonyear' column contains '2024/25' with a blue edit icon. The 'Playerofthetournament' column contains 'Mehedi Hasan Miraz'. At the bottom right of the table is a small '1 - 1' indicator. A 'Create' button is located in the top right corner of the main content area. The bottom right corner of the page displays 'Release 1.0'.

Page 15: Season Form Page

The screenshot shows the 'Season Form' page of the BPL DataVault. The left sidebar is identical to the one in the previous screenshot, with the 'Season' item selected. The main content area is titled 'Season Form' and contains two input fields: 'Seasonyear' and 'Playerofthetournament'. Below these fields are 'Cancel' and 'Create' buttons. The bottom right corner of the page displays 'Release 1.0'.

Page16: Season Team Player Report Page

	Playerid	Seasonyear	Teamname
	1	2024/25	Rangpur Riders
	2	2024/25	Rangpur Riders
	3	2024/25	Khulna Tigers
	4	2024/25	Khulna Tigers
	5	2024/25	Sylhet Strikers
	6	2024/25	Khulna Tigers
	7	2024/25	Dhaka Capital
	8	2024/25	Khulna Tigers
	9	2024/25	Durbar Rajshahi
	10	2024/25	Sylhet Strikers
	11	2024/25	Durbar Rajshahi
	12	2024/25	Rangpur Riders
	13	2024/25	Chittagong Kings
	14	2024/25	Sylhet Strikers
	15	2024/25	Dhaka Capital
	16	2024/25	Dhaka Capital
	17	2024/25	Durbar Rajshahi
	18	2024/25	Chittagong Kings

Page17:Season Team Player Form Page

Season Team Player Form

PlayerID

SeasonYear

Teamname

Create

Cancel

Release 1.0

Page18: Team Report

Screenshot of the BPL DataVault application showing a list of teams. The sidebar menu includes Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team (selected), Toss, Umpire, and Umpired By.

	Teamname	Teamlogo
	Fortune Barishal	
	Chittagong Kings	

Bottom navigation bar: App 14889, Page 18, Session, Debug, Quick Edit, Customize, Help.

Page19: Team form page

Screenshot of the BPL DataVault application showing the Team Form page. The sidebar menu includes Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team (selected), Toss, Umpire, Umpired By, Venue, and Wicket Taken.

The Team Form page contains fields for TeamName, Teamlogo (with a 'Choose File' button), Mime Type, File Type, and Updated Date. A 'Create' button is located at the bottom right.

Bottom navigation bar: Release 1.0.

Page20: Toss Report

The screenshot shows a web-based application interface for the BPL DataVault. The left sidebar contains a navigation menu with various categories such as Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team, Toss (which is selected), Umpire, Umpired By, Venue, and Wicket Taken. The main content area displays a table titled "Toss Report". The table has columns for MatchID, Tosswinner, and Tossdecision. The data is as follows:

	MatchID	Tosswinner	Tossdecision
	2501	Fortune Barishal	field
	2502	Dhaka Capitals	field
	2503	Chittagong Kings	field
	2504	Rangpur Riders	bat
	2505	Dhaka Capitals	bat
	2506	Rangpur Riders	field
	2507	Durbar Rajshahi	field
	2508	Dhaka Capitals	field
	2509	Rangpur Riders	field
	2510	Fortune Barishal	field
	2511	Rangpur Riders	field
	2512	Fortune Barishal	field
	2513	Rangpur Riders	field
	2514	Chittagong Kings	field
	2515	Khulna Tigers	field
	2516	Dhaka Capitals	bat
	2517	Khulna Tigers	field

Page21: Toss Form Page

The screenshot shows the "Toss Form" page within the BPL DataVault application. The left sidebar is identical to the previous page, showing the "Toss" category as selected. The main content area is titled "Toss Form" and contains four input fields: "MatchID", "Tosswinner", and "Tossdecision", each with a corresponding text input box. At the bottom right of the form area is a blue "Create" button. Below the form, a footer bar indicates "Release 1.0".

Page22: Umpire Report Page

The screenshot shows a list of 12 umpires in a table format. The columns are labeled 'Umpireid' and 'Umpirename'. The data is as follows:

Umpireid	Umpirename
1	Ali Arman
2	Asif Yaqoob
3	Gazi Sohel
4	Mahfuzur Rahman
5	Masudur Rahman
6	Moniruzzaman
7	Morshed Ali Khan
8	Muhammad Kamruzzman
9	Ravendra Wimalasiri
10	Sajedul Islam
11	Sharuddoula
12	Tanvir Ahmed

Page23: Umpire Form

The screenshot shows a form titled 'Umpire Form' with two input fields: 'UmpireID' and 'Umpirename'. There are also 'Cancel' and 'Create' buttons. The sidebar on the left is identical to the one in the previous screenshot.

Page24: Umpired By Report page

The screenshot shows a web-based application interface for 'BPL DataVault'. The left sidebar contains a navigation menu with items like Home, Ball By Ball, Extra Runs, Match, Match Result, Player, Scored Runs, Season, Season Team Player, Team, Toss, Umpire, Umpired By (which is selected and highlighted in blue), Venue, and Wicket Taken. The main content area is titled 'Umpired By' and displays a table with two columns: 'Umpireid' and 'Matchid'. The table contains 15 rows of data. At the bottom of the table, there are several navigation and search buttons.

Umpireid	Matchid
2	2501
5	2501
4	2502
9	2502
9	2503
12	2503
2	2504
3	2504
4	2505
9	2505
2	2506
7	2506
2	2507
8	2507

Page25:Upmired by Form Page

This screenshot is identical to the one above, showing the 'Umpired By' report page in the BPL DataVault application. The left sidebar and the main content area with the table of data are exactly the same.

Page26: Venue Report Page

Screenshot of the BPL DataVault application showing the Venue Report Page. The page displays a list of three cricket stadiums with their names, city names, and aerial photographs.

VenueName	Venuepic	Cityname
Sher-e-Bangla National Cricket Stadium		Dhaka
Sylhet International Cricket Stadium		Sylhet
Bir Shreshtha Flight Lieutenant Matiur Rahman Stadium		Chittagong

Page27:Venue Form Page

Screenshot of the BPL DataVault application showing the Venue Form Page. The form allows users to input details for a new venue, including the venue name, image, mime type, file type, updated date, and city name.

The sidebar navigation includes:

- Home
- Ball By Ball
- Extra Runs
- Match
- Match Result
- Player
- Scored Runs
- Season
- Season Team Player
- Team
- Toss
- Umpire
- Umpired By
- Venue** (selected)
- Wicket Taken
- Batting Statistics
- Bowling Statistics

Page28: Wicket Taken Report Page

	MatchID	Inningsno	Overno	Ball No	Playerout	Fielder	Outtype
2501	1	1	4	Jishan Alam			bowled
2501	1	3	1	Mohammad Harris			caught and bowled
2501	1	17	4	Anamul Haque	Mushfiqur Rahim		caught
2501	2	0	1	Nazmul Hossain Shanto			lbw
2501	2	1	3	Tamim Iqbal			lbw
2501	2	3	4	KR Mayers	RP Buri		caught
2501	2	6	3	Mushfiqur Rahim	SMDL Samarakoon		caught
2501	2	8	1	Towhid Hridoy	SMDL Samarakoon		caught
2501	2	12	2	Shaheen Shah Afridi	Mohammad Harris		caught
2502	1	1	6	SR Taylor			lbw
2502	1	2	2	AD Hayes			bowled
2502	1	13	1	Saif Hassan	Farmanullah		caught
2502	1	15	3	Iftikhar Ahmed	Tanzid Hasan		caught
2502	1	18	3	Nurul Hasan	SS Eskinazi		caught
2502	1	18	4	Mohammad Saifuddin	Alauddin Babu		caught
2502	2	7	4	Tanzid Hasan	Saif Hassan		caught
2502	2	7	6	Habibur Rahman	SR Taylor		caught
2502	2	9	1	Liton Das	AD Hayes		caught
2502	2	9	5	Farmanullah			bowled
2502	2	11	7	NLTC Perera	Saif Hassan		caught

Page29: Wicked taken Form Page

Wicket Taken Form

MatchID	
Inningsno	
Overno	
Ball No	
Playerout	
Fielder	
Outtype	
<input type="button" value="Cancel"/>	<input type="button" value="Create"/>

Release 1.0

Page Number and Name	Query Type	Report description
30. Batting Statistics	Multi-table and Aggregate	This page is based on Query, Displays the Batting statistics of all players , And a bar chart of top 10 run scorers.
31. Bowling Statistics	Multi-table and Aggregate	This page is based on Query. Displays all bowlers ever bowled in IPL ,and their career Statistics . Added a bar chart to Show top ten bowlers.
32. Team Statistics Over season	Multi-table and Aggregate	Team Statistics Over ALL Season
33. Chased Above 180 runs	Multi-table and Aggregate	ALL matches chased over 180 runs scored in first innings
34. Batting average per venue	Multi-table and Aggregate	Batting average in each venue

35. Highest innings in a match	Multi-table and Aggregate	Highest total in a match
36. Bowlers with most wickets	Multi-table and Aggregate	Bowlers who got most wickets in each season
37. Most sixes in each season	Multi-table and Aggregate	Batters who hit most sixes in each season
38. Top win ratio	Multi-table and Aggregate	Top5 Teams with most win ratio across season
39. Toss Impact in a match	Multi-table and Aggregate	Toss Impact in a match across all seasons. Toss' decision led to winning records.
40. Most MOTM	Aggregate	Most MOTM in each season
41. Match Wasted in D/L method	Aggregate	Match Wasted in D/L method in each season

Page30: This page is based on Query, Displays the Batting statistics of all players , And a bar chart of top 10 run scorers.

BPL DataVault

Player Name	Total Runs	Balls Faced	Strike Rate	Fifties	Hundreds
Mohammad Naim	511	368	138.86	3	1
Tanzid Hasan	485	359	135.1	4	1
G Clark	431	283	152.3	1	1
Tamim Iqbal	413	324	127.47	4	0
Anamul Haque	392	309	126.86	2	1
Zakir Hasan	389	287	135.54	3	0
Liton Das	368	270	136.3	2	1
Meledi Hasan Miraz	355	283	125.44	2	0
Shamim Hossain	352	227	155.07	2	0
Panvez Hossain Emon	338	265	127.55	2	0
Yasir Ali Chowdhury	336	226	148.67	2	0
DJ Malan	316	215	146.98	3	0
Mahidul Islam Ankon	316	186	169.89	1	0
Towhid Hridoy	312	246	126.83	1	0
Safi Hassan	306	272	112.5	2	0
Ittikhar Ahmed	305	266	114.66	1	0
Khushdil Shah	298	181	164.64	2	0
WG Bosisto	298	239	124.69	2	0
RP Buru	293	212	138.21	1	0
Rony Talukdar	286	219	130.59	3	0

BPL DataVault

Player Name	Total Runs	Balls Faced	Strike Rate	Fifties	Hundreds
Darwish Rasooli	69	57	121.05	0	0
Sabbir Hossain	69	57	121.05	0	0

Top 10 Scorers

Player	Total Runs
Mohammad Naim	511
Tanzid Hasan	485
G Clark	431
Tamim Iqbal	413
Anamul Haque	392
Zakir Hasan	389
Liton Das	368
Meledi Hasan Miraz	355
Shamim Hossain	352
Panvez Hossain Emon	338

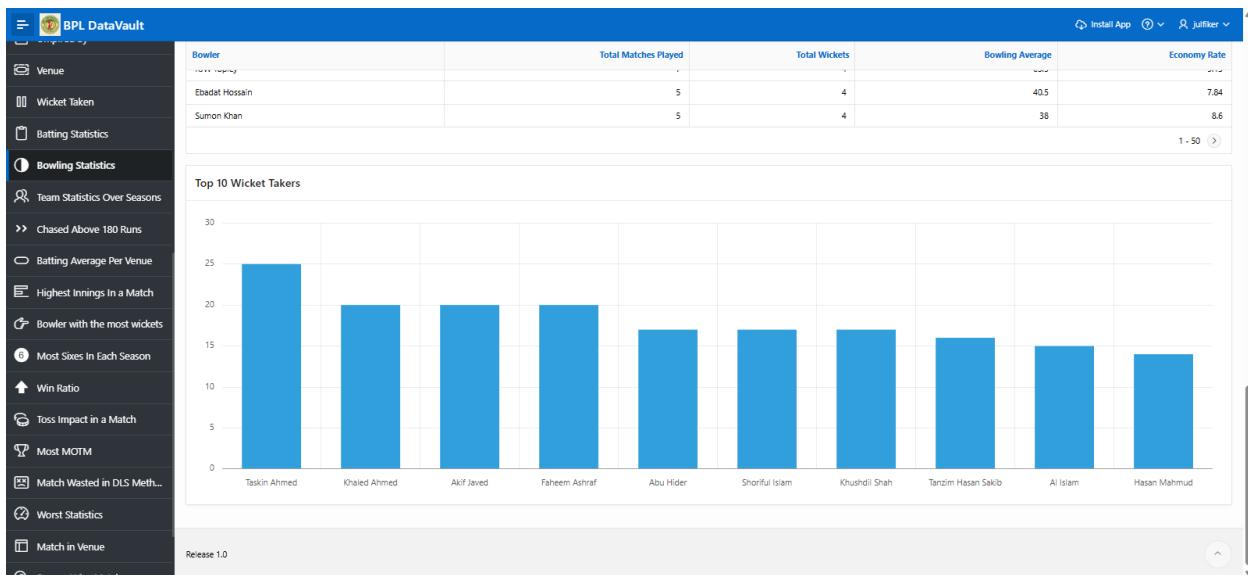
Release 1.0

Page31:This page is based on Query. Displays all bowler ever bowled in BPL and their career Statistics . Added a bar chart to Show top ten bowlers.

BPL DataVault

Install App

Bowler	Total Matches Played	Total Wickets	Bowling Average	Economy Rate
Taskin Ahmed	12	25	12.64	6.68
Faheem Ashraf	11	20	14.2	6.82
Khaled Ahmed	14	20	22.2	8.3
Akif Javed	11	20	14.55	6.66
Shoriful Islam	14	17	27.82	8.87
Khushdil Shah	9	17	10.06	6
Abu Hider	10	17	22.35	9.74
Tanzim Hasan Sakib	9	16	18.75	8
Al Islam	13	15	22.27	6.59
Hasan Mahmud	13	14	27.64	7.3
Mustafizur Rahman	12	13	24.85	7.37
Mehedi Hasan Miraz	14	13	29.23	7.65
Nasum Ahmed	12	13	19.77	7.24
Mohammad Saifuddin	11	12	26.75	9
Arafat Sunny	11	11	25.55	8.07
Mahedi Hasan	13	10	31.7	7.73
Mrittunjoy Chowdhury	6	10	19.2	8.35
Nahid Rana	12	10	35.9	7.78
Mohammad Nawaz	11	10	22.7	7.52
Tanvir Islam	12	10	26.3	7.97



page32: Team Statistics Over ALL Season

The screenshot shows the BPL DataVault interface with a sidebar on the left containing various statistical filters and links. The main area displays a table of team statistics for the 2024/25 season.

Season/Year	Team	Total Matches	Total Wins	Total Losses	League Matches	League Wins	League Win Ratio	Qualifier Wins	Eliminator Wins	Semi Final Wins	Final Wins
2024/25	Chittagong Kings	15	9	6	12	8	66.67	1	0	0	0
2024/25	Dhaka Capitals	12	3	9	12	3	25	0	0	0	0
2024/25	Durbar Rajshahi	12	6	6	12	6	50	0	0	0	0
2024/25	Fortune Barishal	14	11	3	12	9	75	1	0	0	1
2024/25	Khulna Tigers	14	7	7	12	6	50	0	1	0	0
2024/25	Rangpur Riders	13	8	5	12	8	66.67	0	0	0	0
2024/25	Sylhet Strikers	12	2	10	12	2	16.67	0	0	0	0

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Page33: ALL matches chased over 180 runs scored in first innings

The screenshot shows the BPL DataVault interface with a sidebar on the left containing various statistical filters and links. The main area displays a table of matches where the chasing team scored over 180 runs in the first innings.

MatchID	Team Batted First	First Innings Score	Target Runs	Team Chasing	Second Innings Score	Matchwinner
2509	Sylhet Strikers	205	206	Rangpur Riders	210	Rangpur Riders
2501	Durbar Rajshahi	197	198	Fortune Barishal	200	Fortune Barishal
2513	Fortune Barishal	197	198	Rangpur Riders	202	Rangpur Riders
2546	Chittagong Kings	194	195	Fortune Barishal	195	Fortune Barishal
2516	Dhaka Capital	193	194	Sylhet Strikers	195	Sylhet Strikers
2535	Khulna Tigers	187	188	Fortune Barishal	188	Fortune Barishal

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Page34: Batting average in each venue

BPL DataVault

- Batting Statistics
- Bowling Statistics
- Team Statistics Over Seasons
- >> Chased Above 180 Runs
- Batting Average Per Venue**
- Highest Innings in a Match
- Bowler with the most wickets
- Most Sixes In Each Season
- Win Ratio
- Toss Impact in a Match
- Most MOTM
- Match Wasted in DLS Meth...
- Worst Statistics
- Match in Venue
- Season Wise Match
- Administration
- Administration

VenueName	Total Innings	Total Runs	Avg Runs Per Innings	First Innings Total	Avg First Innings Runs
Sylhet International Cricket Stadium	24	4154	173.08	2179	181.58
Bir Shreshtha Flight Lieutenant Matur Rahman Stadium	24	3796	158.17	2041	170.08
Sher-e-Bangla National Cricket Stadium	44	6692	152.09	3527	160.32

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Page35: Top 5 Highest innnings in a match

BPL DataVault

- Team
- Toss
- Umpire
- Umpired By
- Venue
- Wicket Taken
- Batting Statistics
- Bowling Statistics
- Team Statistics Over Seasons
- >> Chased Above 180 Runs
- Batting Average Per Venue
- Highest Innings in a Match**
- Bowler with the most wickets
- Most Sixes In Each Season
- Win Ratio
- Toss Impact in a Match
- Most MOTM
- Match Wasted in DLS Meth...
- Worst Statistics
- Match in Venue

MatchId	Team	Innings	Total Score	Matchwinner	WinType	WinMargin
2518	Dhaka Capital	1	254	Dhaka Capitals	runs	149
2539	Khulna Tigers	1	220	Khulna Tigers	runs	45
2507	Chittagong Kings	1	219	Chittagong Kings	runs	105
2509	Rangpur Riders	2	210	Rangpur Riders	wickets	8
2528	Khulna Tigers	1	209	Khulna Tigers	runs	7

Top Scorer Teams

Team	Percentage
Dhaka Capital	40%
Khulna Tigers	35%
Chittagong Kings	25%

Release 1.0

Page36: Bowler with most wickets

The screenshot shows the BPL DataVault interface with a sidebar containing various statistical filters and a main report area. The report title is 'Bowler with the most wickets'. The results table has columns for 'Bowler', 'Season/year', and 'Total Wickets In Season'. One row is shown for Taskin Ahmed with 25 total wickets in the 2024/25 season.

Bowler	Season/year	Total Wickets In Season
Taskin Ahmed	2024/25	25

Page37: Most sixes hit by a player in each season

The screenshot shows the BPL DataVault interface with a sidebar containing various statistical filters and a main report area. The report title is 'Most sixes hit by a player in each season'. The results table has columns for 'Player Name', 'Season/year', and 'Sixes'. One row is shown for Tanzid Hasan with 36 sixes in the 2024/25 season.

Player Name	Season/year	Sixes
Tanzid Hasan	2024/25	36

Page 38: Win ratio of all team

BPL DataVault

- Umpired By
- Venue
- Wicket Taken
- Batting Statistics
- Bowling Statistics
- Team Statistics Over Seasons
- > Chased Above 180 Runs
- Batting Average Per Venue
- Highest Innings In a Match
- Bowler with the most wickets
- Most Sixes In Each Season
- Win Ratio
- Toss Impact in a Match
- Most MOTM
- Match Won in DLS Method
- Worst Statistics
- Match in Venue
- Season Wise Match
- Administration
- Administration

Team	Matches Won	Total Matches Played	Win Percentage
Fortune Betishal	11	14	78.57
Rangpur Riders	8	13	61.54
Chittagong Kings	9	15	60
Durbar Rajshahi	6	12	50
Khulna Tigers	7	14	50
Dhaka Capitali	3	12	25
Sylhet Strikers	2	12	16.67

Top 5 Win Ratios

Team	Win Percentage
Fortune Betishal	78.57
Rangpur Riders	61.54
Chittagong Kings	60
Khulna Tigers	50
Durbar Rajshahi	50

Page 39: Toss Impact in a match

BPL DataVault

- Umpired By
- Venue
- Wicket Taken
- Batting Statistics
- Bowling Statistics
- Team Statistics Over Seasons
- > Chased Above 180 Runs
- Batting Average Per Venue
- Highest Innings In a Match
- Bowler with the most wickets
- Most Sixes In Each Season
- Win Ratio
- Toss Impact in a Match**
- Most MOTM
- Match Won in DLS Method
- Worst Statistics
- Match in Venue
- Season Wise Match
- Administration
- Administration

TossDecision	Total Matches	Matches Won After Toss	Win Percentage
bat	14	6	42.86
field	32	16	50

Toss Impact Chart

TossDecision	Percentage
bat	~20%
field	~80%

Page40: Most Man of the match award

The screenshot shows the BPL DataVault interface with the 'Most MOTM' report selected from the sidebar. The main area displays a table with the following data:

SeasonYear	Player	Awards
2024/25	Tamim Iqbal	3

Below the table, it says '1 - 1'. The sidebar also lists other reports like 'Umpired By', 'Venue', 'Wicket Taken', etc.

Page41: Matches which end up in D/L method

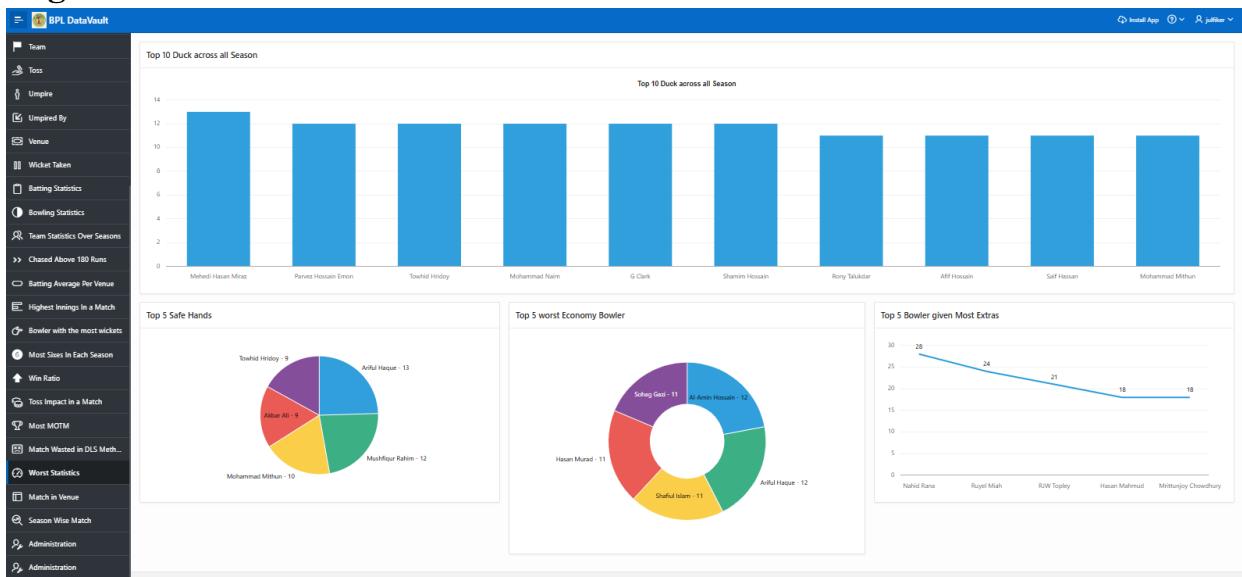
The screenshot shows the BPL DataVault interface with the 'Match Wasted in DLS Method' report selected from the sidebar. The main area displays a table with the following data:

SeasonYear	Match	Reason	Wickets	Runs	Method
2024/25	Match 1	Wickets	5	100	D/L
2024/25	Match 2	Wickets	6	120	D/L
2024/25	Match 3	Wickets	7	140	D/L
2024/25	Match 4	Wickets	8	160	D/L
2024/25	Match 5	Wickets	9	180	D/L
2024/25	Match 6	Wickets	10	200	D/L
2024/25	Match 7	Wickets	11	220	D/L
2024/25	Match 8	Wickets	12	240	D/L
2024/25	Match 9	Wickets	13	260	D/L
2024/25	Match 10	Wickets	14	280	D/L
2024/25	Match 11	Wickets	15	300	D/L
2024/25	Match 12	Wickets	16	320	D/L
2024/25	Match 13	Wickets	17	340	D/L
2024/25	Match 14	Wickets	18	360	D/L
2024/25	Match 15	Wickets	19	380	D/L
2024/25	Match 16	Wickets	20	400	D/L
2024/25	Match 17	Wickets	21	420	D/L
2024/25	Match 18	Wickets	22	440	D/L
2024/25	Match 19	Wickets	23	460	D/L
2024/25	Match 20	Wickets	24	480	D/L
2024/25	Match 21	Wickets	25	500	D/L
2024/25	Match 22	Wickets	26	520	D/L
2024/25	Match 23	Wickets	27	540	D/L
2024/25	Match 24	Wickets	28	560	D/L
2024/25	Match 25	Wickets	29	580	D/L
2024/25	Match 26	Wickets	30	600	D/L
2024/25	Match 27	Wickets	31	620	D/L
2024/25	Match 28	Wickets	32	640	D/L
2024/25	Match 29	Wickets	33	660	D/L
2024/25	Match 30	Wickets	34	680	D/L
2024/25	Match 31	Wickets	35	700	D/L
2024/25	Match 32	Wickets	36	720	D/L
2024/25	Match 33	Wickets	37	740	D/L
2024/25	Match 34	Wickets	38	760	D/L
2024/25	Match 35	Wickets	39	780	D/L
2024/25	Match 36	Wickets	40	800	D/L
2024/25	Match 37	Wickets	41	820	D/L
2024/25	Match 38	Wickets	42	840	D/L
2024/25	Match 39	Wickets	43	860	D/L
2024/25	Match 40	Wickets	44	880	D/L
2024/25	Match 41	Wickets	45	900	D/L
2024/25	Match 42	Wickets	46	920	D/L
2024/25	Match 43	Wickets	47	940	D/L
2024/25	Match 44	Wickets	48	960	D/L
2024/25	Match 45	Wickets	49	980	D/L
2024/25	Match 46	Wickets	50	1000	D/L

Below the table, it says 'No data found.' The sidebar also lists other reports like 'Umpired By', 'Venue', 'Wicket Taken', etc.

Page number & Charts	Chart description
42. Worst Statistics	<p>Worst Records:</p> <ul style="list-style-type: none"> Top10 Batters with most DUCKs Top 5 Safe hands Top 5 Bowlers with extra runs Top5 Bowlers with worst economy

Page42: Worst Records



Page & Name	Master(Parent)	Details(Child)
43. Season wise Match	Season	Match
44. Match in Venue	Venue	Match

Page43: Season wise match details

The screenshot shows the BPL DataVault application interface. The left sidebar contains a navigation menu with various cricket-related metrics. The 'Season Wise Match' option is highlighted. The main content area is titled 'Season Wise Match' and displays a table of matches for the '2024/25' season. The table includes columns for Matchid, Team1, Team2, Matchtype, Matchdate, Venuename, and Method. The first six rows of the table are listed below:

Matchid	Team1	Team2	Matchtype	Matchdate	Venuename	Method
2501	Fortune Barishal	Durbar Rajshahi	League	12/30/2024	Sher-e-Bangla National Cricket Stadium	
2502	Rangpur Riders	Dhaka Capitals	League	12/30/2024	Sher-e-Bangla National Cricket Stadium	
2503	Khulna Tigers	Chittagong Kings	League	12/31/2024	Sher-e-Bangla National Cricket Stadium	
2504	Sylhet Strikers	Rangpur Riders	League	12/31/2024	Sher-e-Bangla National Cricket Stadium	
2505	Durbar Rajshahi	Dhaka Capitals	League	1/2/2025	Sher-e-Bangla National Cricket Stadium	
2506	Fortune Barishal	Rangpur Riders	League	1/2/2025	Sher-e-Bangla National Cricket Stadium	

Page 44: Match Statistics in all venues.

The screenshot shows the BPL DataVault application interface. On the left, a sidebar lists various metrics: Batting Average Per Venue, Highest Innings In a Match, Bowler with the most wickets, Most Sixes In Each Season, Win Ratio, Toss Impact in a Match, Most MOTM, Match Wasted in DLS Method, Worst Statistics, Match in Venue (selected), Season Wise Match, Administration, and another Administration option. The main area is titled "Match in Venue". It includes a search bar, a "Venue" section with fields for Venuename (Bir Sreshtho Flight Lieutenant Matiur Rahman Stadium) and Cityname (Chittagong), and a "Match" section with a table showing matches from Matchid 2521 to 2527. The table columns are Matchid, Team1, Team2, Matchtype, Matchdate, Seasonyear, and Method. The rows show various teams like Fortune Barishal, Dhaka Capitals, Khulna Tigers, Chittagong Kings, Durbar Rajshahi, Sylhet Strikers, Rangpur Riders, and others. At the bottom, there are navigation links for App 14889, Page 43, Session, Debug, Quick Edit, Customize, and other system icons.

Authorization and User Role Assignment:

UserName	Password	Role
abirrahman.sakin@gmail.com	#spsakin@329	Administrator
sudeep	sheep	Administrator
julfiker	monkey	Administrator
sakin	lion	Administrator
rashed	rashed	Administrator
thor	loki	Contributor
messi	goat	Reader

neymar	goat	Reader
ronaldo	goat	Reader

Page-wise Authorization Information

Page number and name	Authorization Level
10000	Administrator
All the pages (expect Create , Delete, Update & Save button)	Reader

Page:1000 [Administration Page]

The screenshot shows the 'Administration' section of the BPL DataVault application. On the left is a sidebar with various navigation links. The main area displays 'Access Control' settings. It shows a table with three rows: 'Administrator' (count 5), 'Reader' (count 4), and 'Contributor' (count 1). Below this is a 'Users' section with a link to 'Access Control'. A note at the top states: 'Only users defined in the application access control list may access this application'. At the bottom of the page, it says 'Release 1.0'.

Manage User Access

This screenshot shows a table titled "Manage User Access" with columns for "Username" and "Roles". The table lists ten users:

	Username	Roles
	abirrahman.sakin@gmail.com	Administrator
	jufiker	Administrator
	messi	Reader
	neymar	Reader
	rashed	Administrator
	ronaldo	Reader
	sakin	Administrator
	sudeep	Administrator
	sudeepta	Reader
	thor	Contributor

Actions buttons include "Reset", "Add Multiple Users", and "Add User". A search bar and a toolbar with icons for home, session, debug, quick edit, and customize are also present.

BPL DataVault

Administration

The sidebar contains the following menu items:

- venue
- wicket Taken
- Batting Statistics
- Bowing Statistics
- Team Statistics Over Seasons
- >> Chased Above 180 Runs
- Batting Average Per Venue
- Highest Innings In a Match
- Bowler with the most wickets
- Most Sixes In Each Season
- Win Ratio
- Toss Impact in a Match
- Most MOTM
- Match Won in DLS Meth...
- Worst Statistics
- Match in Venue
- Season Wise Match
- Administration
- Administration

The central panel is titled "User Interface" and includes a "Theme Style Selection" section with a preview and a "Set the default application look and feel" link. The footer indicates "Release 1.0".

Conclusion:

This project was both a challenging and rewarding experience that pushed us to grow both technically and intellectually. It deepened our understanding of database management principles, from designing efficient schemas to writing complex queries and ensuring data integrity. Along the way, we encountered several obstacles that required critical thinking and creative problem-solving, which ultimately strengthened our analytical abilities. Beyond the technical aspects, this journey taught us the importance of patience, persistence, and continuous learning—skills that we will carry forward into future projects and professional endeavors.

The end