

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590018, KARNATAKA



A MINI PROJECT REPORT
ON

“FIFA 23 PLAYER MANAGEMENT SYSTEM”

Submitted in partial fulfillment of requirements for the award of 5th
semester,

BACHELOR OF ENGINEERING IN
COMPUTER SCIENCE & ENGINEERING

Submitted By:

Parmekar Shubham Rajendra
(USN: 1KT20CS052)

Inao Lakhong Singpho
(USN: 1KT21CS401)

Under the Guidance of

Mrs. Savita Patil & Ms. Sushma M,
Associate Professor,
Department of Computer Science & Engineering



DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING
SRI KRISHNA INSTITUTE OF TECHNOLOGY
BENGALURU-90
2022-23

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that the mini project entitled “**FIFA 23 PLAYER MANAGEMENT SYSTEM**” as a part of 18CSL58 laboratory, is bonafide work carried out by **PARMEKAR SHUBHAM RAJENDRA** bearing USN:1KT20CS052 and **INAO LAKHONG SINGPHO** bearing USN:1KT21CS401 partial fulfillment for the award of degree in bachelor of Engineering in Computer Science Engineering from Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all the corrections/suggestions indicated for internal assessment have been incorporated in reports submitted in the department Library. This mini project report has been approved as it satisfies the academic requirements in respect of the mini project report prescribed for award of said degree.

Signature of Internal Guide

Mrs. SAVITA PATIL &

Ms. SUSHMA M

Assistant professor

Dept. of. CSE, SKIT

Name of the Examiner

Signature of the HOD

Dr. SHANTHARAM NAYAK

Professor & head

Dept. of. CSE, SKIT

Signature of Principal

Dr. MAHESHA K

Principal

SKIT, Bangalore

Signature with date

ABSTRACT

Managing the ever increasing numbers of players in different parts of the world is a huge task. This project is aimed at developing a desktop-based application named 'FIFA 23 player management system' for managing players using a robust database at the backend and a Web based GUI at the frontend.

The application will allow users to track complete details about a player starting from his personal details, going through club and nationality information to right down to his technicalities at each position in footballing world. The software also allows users to view the whole list of players, teams and footballing statistics at once, thereby helping them build their perspective. Users have the privilege to add new players to a particular team, and to modify their records when the player decides to retire. FIFA 23 player management system also allows users to access players based on their rating other than their preferential position of playing thus guiding managers to build a strong positional team by selecting best rated player at each position. In conclusion, this application will come extremely handy in maintaining player spread across different teams and nations.

ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crowned our effort with success.

I express my sincere gratitude to our Principal **Dr. Mahesha K**, Sri Krishna Institute of Technology for providing facilities.

I wish to place on record my gratitude to **Mr. Shantaram Naik**, Head of the Department, Computer Science and Engineering, Sri Krishna Institute of Technology, Bangalore for providing encouragement and guidance.

I consider it a privilege and honor to express my sincere gratitude to my guide **Mrs. Savita B Patil & Ms. Sushma M**, Associate Professor, Department of Computer Science & Engineering for their valuable guidance throughout the tenure of this seminar work and whose support and encouragement made this work possible.

I wish to thank the faculty of the Computer Science and Engineering department whose suggestions have enabled me to surpass many of the seemingly impossible hurdles.

Thank you.

TABLE OF CONTENTS

Sl. No.	CHAPTERS	PAGE NO.
1	Introduction	1
2	System Requirement	2
3	Design of the project	4
4	Implementation	11
5	Screenshots	16
	Conclusion	23
	Bibliography	24

LIST OF FIGURES

Sl. No.	Figures	PAGE NO.
2.1	Memory consumption by brackets web editor	2
2.2	Memory consumption by chrome	2
2.3	Project size on disk	3
2.4	Wamp web server size on disk	3
2.5	Memory consumption by local server (Wamp)	3
3.1	ER Diagram	5
3.2	Relational schema	6
3.3	Player table structure	7
3.4	Player stats table structure	7
3.5	Salary table structure	8
3.6	Position table structure	8
3.7	Club table structure	8
3.8	Delete logs trigger structure	9
3.9	Update logs trigger structure	9
3.10	Insert logs trigger structure	9
3.11	Stored procedures structure	10
5.1	Search input for stored procedures	16
5.2	Search result using stored procedure from frontend	16
5.3	Search result using stored procedure from backend	17
5.4	Selecting table for insertion	17
5.5	Successful insert instance page	18
5.6	Selecting table to modify record	18
5.7	Modifying records in real time	19
5.8	Selecting categories for deleting record	19
5.9	Successful deletion instance	20
5.10	Delete triggers table	20

5.11	Insert triggers table	20
5.12	Update triggers table	21
5.13	Player club table	21
5.14	Player salary table	21
5.15	Player position table	22
5.16	Player stats table	22
5.17	Player's table	22

LIST OF TABLES

Sl. No.	Table Name	Page No.
3.3	Player table structure	7
3.4	Player stats table structure	7
3.5	Salary table structure	8
3.6	Position table structure	8
3.7	Club table structure	8
5.13	Player club table	21
5.14	Player salary table	21
5.15	Player position table	22
5.16	Player stats table	22
5.17	Player's table	22

Chapter 1

INTRODUCTION

The project titled “**FIFA 23 Player management system**” is player management software for monitoring and accessing players based on their FIFA 23 PC/XBOX Game ratings. This project is developed using HTML, CSS and JavaScript for front-end and PHP, MySQL for back-end, which focuses on basic operation like adding a new player, new statistics, searching players with detailed information and edit as they grow their skills.

This project is a web based application designed and developed to help user’s access players and organize teams. This software is easy to use, and it features a familiar and well-thought-out attractive user interface, combined with strong searching, insertion, and deletion with procedure capabilities.

Analysing players have been a huge task performed by professional scouting agents who are spread around the world. From personal details to football technicalities, FIFA 23 Management system allows easy maintenance record of such skilled youth talent.

Chapter 2

SYSTEM REQUIREMENT

One of the most difficult tasks is that, the selection of the software, once system requirement is known is determining whether a software package fits the requirements. After initial selection further security is needed to determine the desirability of software compared with other candidates. This section first summarizes the application requirement question and then suggests more detailed comparisons.

Hardware Requirement

1. 32/64-bit processor
2. i5 or greater intel processor chip
3. 2.1 or more GHz processor

Software Requirement

1. Windows 10 or higher version OS
2. WAMPP web server
3. Brackets web editor

2.1 Software and Executables memory size:


Name	Status	CPU	Memory	Disk	Network
>  Brackets (32 bit) (5)		0%	102.8 MB	0.1 MB/s	0 Mbps

Fig 2.1 Memory consumption by brackets web editor

Name	Status	CPU	Memory	Disk	Network
 Microsoft Edge (11)		0%	270.8 MB	0 MB/s	0 Mbps

Fig 2.2 Memory consumption by Microsoft Edge

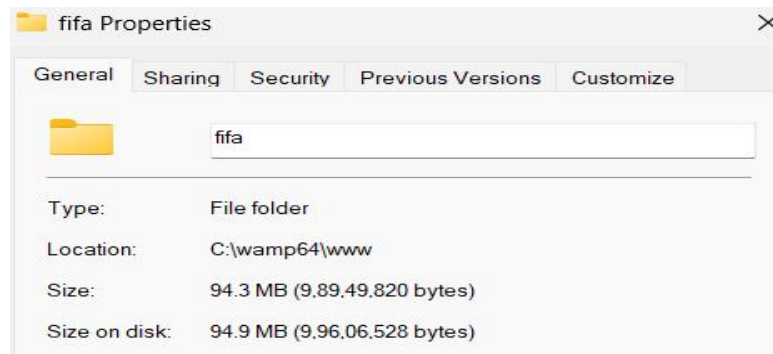


Fig 2.3 Project size on disk

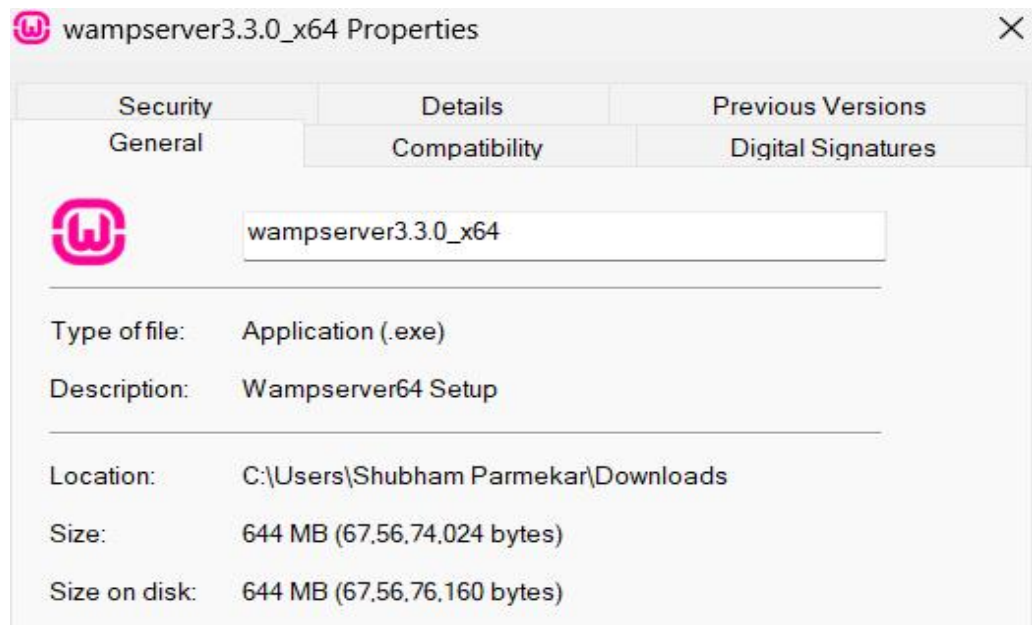


Fig 2.4 Wamp web server size on disk

Apache HTTP Server		0%	16.7 MB	0 MB/s	0 Mbps
		0%	0.6 MB	0 MB/s	0 Mbps

Fig 2.5 Memory consumption by local server (Wamp)

Chapter 3

DESIGN OF THE PROJECT

To analyse and access players on a daily basis can be hectic and huge effort demanding task. To help users, managers, staffs and scouting agents in football world, FIFA 23 player management system provides effortless player management system to help users to analyse, improve, train and access plays on a daily basis.

Description of the Project:

This project consists of player details, which describes about player biodata such as age and nationality. It also consists of player stats which describes about players technical skills. It also consists of tables containing details such as player earnings, club information and preferred position of playing. It also provide a strong searching, updating, deleting and inserting operations with a user friendly web based UI.

The project also helps the users to keep track of the player details in a computerized way without any trouble. The project contains **7 stored procedures** and **3 triggers** per table. Stored procedures are used in search engine. Every time the user searches through the database, a procedure is called and the results is collected and displayed for the user in a structured manner. It also has 3 trigger namely “**Insert, Delete and Update**” triggers assigned separately to each table. Whenever operations such as insert or delete or update is performed on any table, these triggers are automatically called, and the logs are captured into 3 separate tables, individually for each trigger. Hence use of triggers provides users to trace back all the latest as well as the oldest changes into any table at any point of time.

This project is a simple prototype of managing larger numbers of players across different nations with different skill sets and attributes. It helps to access players and thus aids in building a strong positional team. It also helps in monitoring player growth.

3.1 ER Diagram:

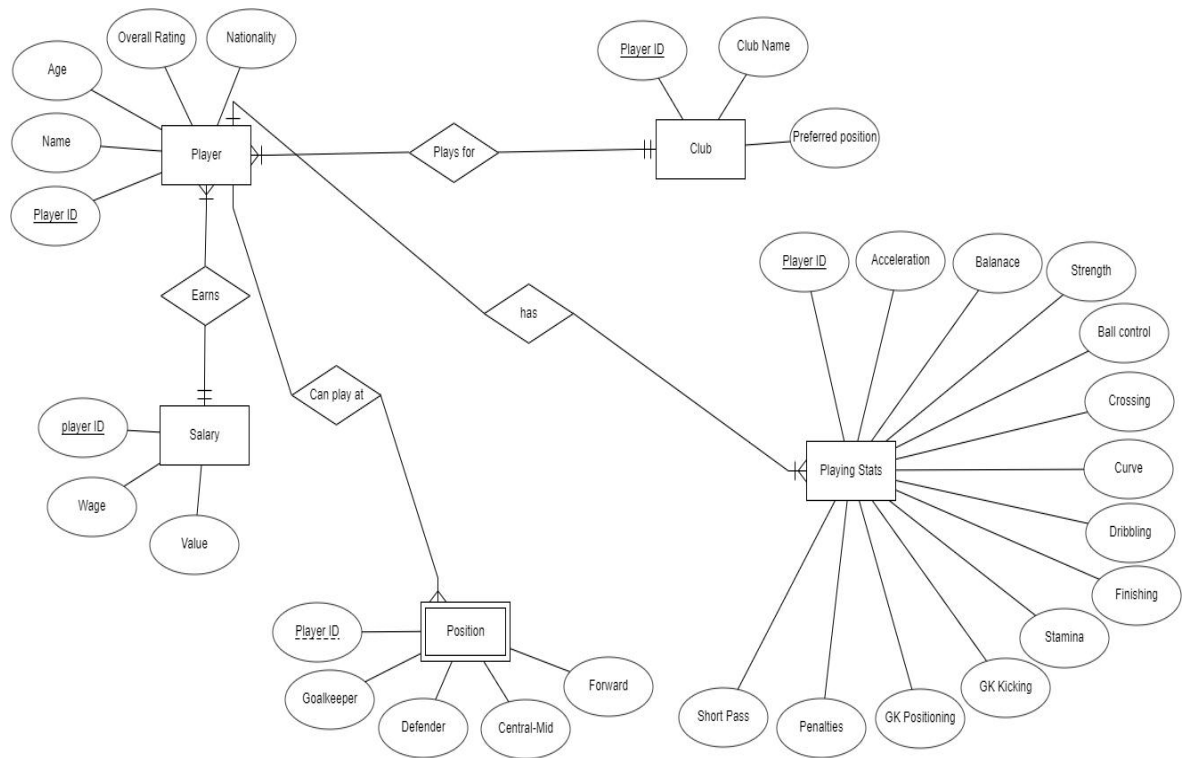


Fig 3.1 ER Diagram

3.2 Schema Diagram:

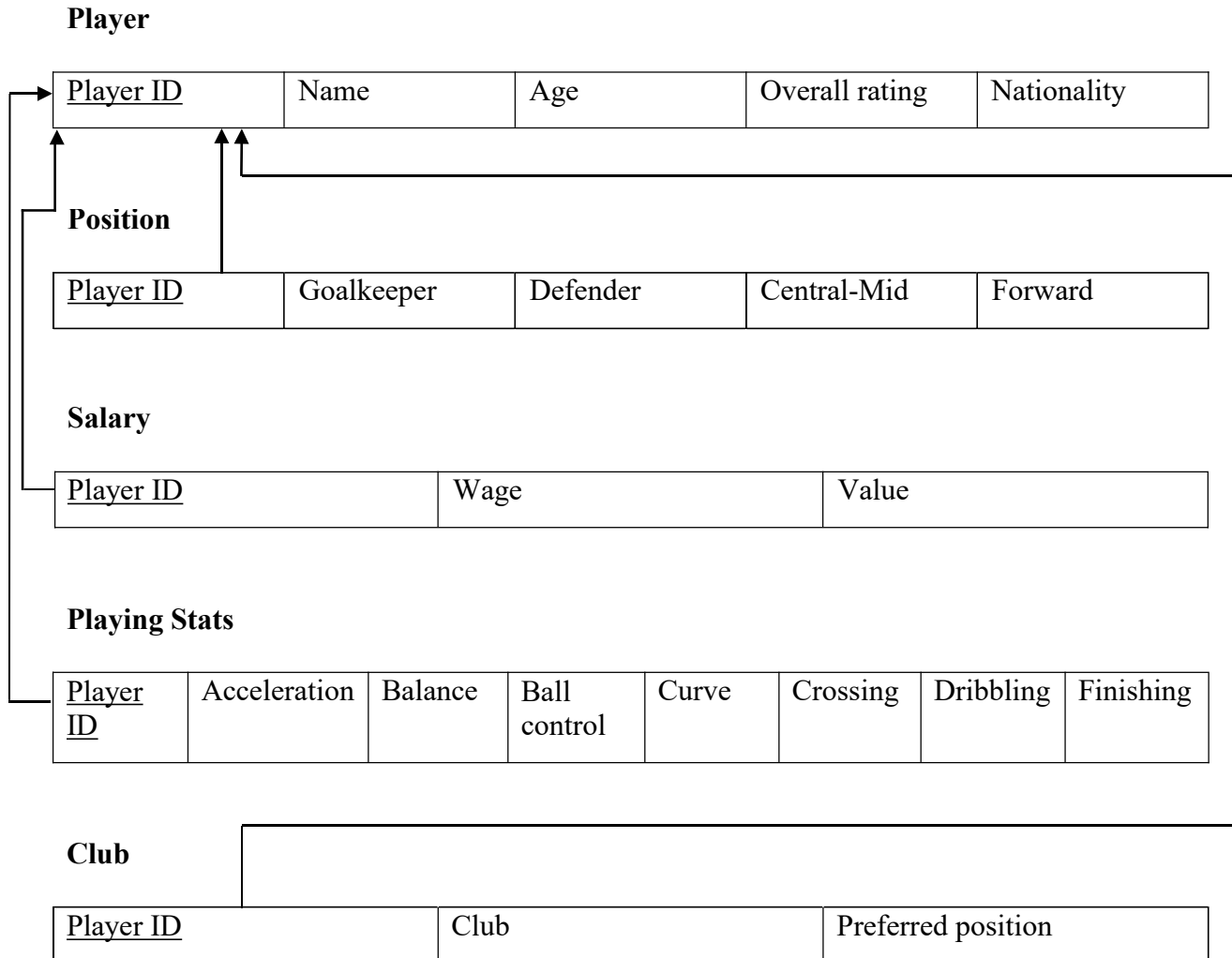


Fig 3.2 Relational schema

3.3 Table Structures:

3.3.1 Player details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	player_id	int(7)			No	None			Change Drop More
<input type="checkbox"/> 3	player_name	char(30)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 4	age	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 5	overall_rating	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	nationality	char(30)	latin1_swedish_ci		Yes	NULL			Change Drop More

Fig 3.3 Player table structure

The player table consists of 6 columns. Player_id and player_name are primary keys and player_id have references of other tables as well. To insert data, player_id should exist in this table before inserting into other tables.

3.3.2 Stats details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(3)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	player_id	int(7)			No	None			Change Drop More
<input type="checkbox"/> 3	acceleration	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	balance	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 5	ball_control	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	crossing	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 7	curve	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 8	dribbling	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 9	finishing	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 10	gk_kicking	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 11	gk_positioning	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 12	penalties	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 13	short_pass	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 14	stamina	int(2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 15	strength	int(2)			Yes	NULL			Change Drop More

Fig 3.4 Player stats table structure

Player stats table consists of 14 attributes, among which, player_id is primary key and also has a foreign key reference to “player” table. It is designed to contain all the football technicalities of a player.

3.3.3 Salary details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	player_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	wage	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	value	int(11)			Yes	NULL			Change Drop More

Fig 3.5 Salary table structure

The salary table consists player_id as primary key and also have a foreign key reference to “player” table. It is designed to store player weekly wage and his current value in the market.

3.3.4 Position details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	player_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	gk	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	df	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 5	cm	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	fr	int(11)			Yes	NULL			Change Drop More

Fig 3.6 Position table structure

The position table also have player_id as primary key and a foreign key reference to “player” table. It is designed to store the positions a player can play, if so, then how well he does on a scale of rating from 0 to 99. It helps user to access player based on positional play and decide the best position for a player.

3.3.5 Club details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	player_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	club	char(30)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	preferred_position	char(20)	latin1_swedish_ci		Yes	NULL			Change Drop More

Fig 3.7 Club table structure

The club details table has club information and the preferred position of a player at that club. It also have player_id as primary key and also a foreign key reference on “player” table.

3.3.6 Delete logs

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	action	varchar(50)	utf8mb4_unicode_ci		No	None			Change Drop More
3	time	timestamp			No	None			Change Drop More

Fig 3.8 Delete logs trigger structure

The delete logs table consists of 3 columns. ID column is unique and set to auto increment. Action column contain the action along with table name. Time column contains the time at which the trigger was automatically invoked based on the action.

3.3.7 Update logs

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	action	varchar(50)	utf8mb4_unicode_ci		No	None			Change Drop More
3	time	timestamp			No	None			Change Drop More

Fig 3.9 Update logs trigger structure

The Update logs table consists of 3 columns. ID column is unique and set to auto increment. Action column contain the action along with table name. Time column contains the time at which the trigger was automatically invoked based on the action.

3.3.8 Insert logs

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	action	varchar(50)	utf8mb4_unicode_ci		No	None			Change Drop More
3	time	timestamp			No	None			Change Drop More

Fig 3.10 Insert logs trigger structure

The Insert logs table consists of 3 columns. ID column is unique and set to auto increment. Action column contain the action along with table name. Time column contains the time at which the trigger was automatically invoked based on the action.

3.3.9 Stored procedures

Name	Action	Type
<input type="checkbox"/> SearchAge	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> SearchName	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> SearchNationality	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> SearchOverallRating	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> SearchPosition	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> SearchTeam	Edit Execute Export Drop	PROCEDURE
<input type="checkbox"/> Searchplayerid	Edit Execute Export Drop	PROCEDURE

Fig 3.11 Stored procedures structure

There are 7 stored procedures present inside search page on the web application. These are called whenever any search instance occur on the web page. The results of the stored procedures are then displayed on the UI in a tabular structure.

Chapter 4

IMPLEMENTATION

4.1 Stored procedures:

The Stored procedures are executed using PHP and MySQL in the application file. The result of stored procedure is shown in Fig 5.2.

Use: Use of stored procedures allows modular programming, reduces network traffic, faster execution, and can be used as security mechanism.

Given below is a code snippet of implementation of all the 7 stored procedure present inside the web application.

#stored procedures

```
$spforage = mysqli_query($conn, "CREATE DEFINER=`root`@`localhost` PROCEDURE `SearchAge`(IN `page` INT(11)) NOT DETERMINISTIC CONTAINS SQL SQL SECURITY DEFINER SELECT player_name,age,overall_rating,nationality FROM personal_details WHERE personal_details.age = page;");
```

```
$spfornationality = mysqli_query($conn, "CREATE DEFINER=`root`@`localhost` PROCEDURE `SearchNationality`(IN `page` VARCHAR(30)) NOT DETERMINISTIC CONTAINS SQL SQL SECURITY DEFINER SELECT * FROM personal_details WHERE personal_details.nationality=page;");
```

```
$spforoverallrating = mysqli_query($conn, "CREATE DEFINER=`root`@`localhost` PROCEDURE `SearchOverallRating`(IN `page` INT(11)) NOT DETERMINISTIC CONTAINS SQL SQL SECURITY DEFINER SELECT * FROM personal_details WHERE personal_details.overall_rating = page;");
```

```
$spforteam = mysqli_query($conn, "CREATE DEFINER=`root`@`localhost` PROCEDURE `SearchTeam`(IN `page` VARCHAR(30)) NOT DETERMINISTIC CONTAINS SQL SQL SECURITY DEFINER SELECT pd.player_name,pd.overall_rating,pd.age,pd.nationality,od.club FROM personal_details pd,other_details od WHERE od.club = page AND pd.player_id = od.player_id ORDER BY pd.player_id;");
```

```
$spforname = mysqli_query($conn, "CREATE DEFINER='root'@'localhost' PROCEDURE  
'SearchName'(IN `page` VARCHAR(30)) NOT DETERMINISTIC CONTAINS SQL SQL  
SECURITY DEFINER SELECT * FROM personal_details WHERE player_name = page");
```

```
$spforplayerid = mysqli_query($conn, "CREATE DEFINER='root'@'localhost'  
PROCEDURE 'Searchplayerid'(IN `page` INT(11)) NOT DETERMINISTIC CONTAINS  
SQL SQL SECURITY DEFINER SELECT * FROM personal_details WHERE player_id =  
page;");
```

```
$spforposition = mysqli_query($conn, "CREATE DEFINER='root'@'localhost'  
PROCEDURE 'SearchPosition'(IN `page` VARCHAR(11)) NOT DETERMINISTIC  
CONTAINS SQL SQL SECURITY DEFINER SELECT pd.player_name, pd.overall_rating,  
od.preferred_position, p.gk, p.df, p.cm, p.fr FROM personal_details pd, other_details od,  
position p WHERE od.preferred_position = page AND p.player_id = od.player_id AND  
p.player_id = pd.player_id GROUP BY pd.player_id;");
```

4.2 Inserting new records:

The insert page allows users to select the table to insert values into [Fig 5.4]. It then asks users to input required data columns for the particular table and upon successful insertion, a new page is displayed [Fig 5.5] with appropriate message. Upon failure, another page is displayed with appropriate message and a possible solution.

Given below is the code snippet of the insert page which is execute in the application using PHP and MySQL.

```
$sql = "INSERT INTO $dbname.personal_details (player_id, player_name,  
age,overall_rating,nationality) VALUES  
('$spid','$spname','$spage','$spoverallrating','$spnationality')";
```

```
if ($conn->query($sql) === TRUE) {
```

```
(Inside into_other_details.php)
```

```
<?php
```

```
$sql = "INSERT INTO $dbname.other_details (player_id, club, preferred_position) VALUES  
('$spid','$spclub','$sppreferredposition')";
```

4.3 Updating existing records:

The update page allows users to look at a selected table and edit the table live on frontend. The user first selects the table he/she wants to modify [Fig 5.6]. Upon selection, a new page is created with respective table. This table consists of editable rows that can be modified and result can be seen real time [Fig 5.7].

Given below is a code snippet of implementation of update page. It is created using PHP, MySQL and JavaScript. Use of JavaScript makes the UI more flexible by providing real time data interaction.

```
if ($input['action'] === 'edit')

{
    $sql = "UPDATE personal_details SET player_name = " .
    $input['player_name'] . ",age = " . $input['age'] . ",overall_rating = " .
    $input['overall_rating'] . ", nationality=" .
    $input['nationality'] . " " . " WHERE player_id=" . $input['player_id'] . " ";

    mysqli_query($con,$sql);
}
$choices = $_POST["choices-single-default"];

if($choices=='PERSONAL
DETAILS'){ header("Location:test_personal_details/inline-
table-edit.php");

}
else if($choices=='PLAYER
EARNINGS'){ header("Location:test_player_salary/inline
table-edit.php");} else if($choices=='PLAYER
POSITION'){ header("Location:test_player_position/inline
-table-edit.php");

} else if($choices=='PLAYER
CLUB'){ header("Location:test_player_club/inline-table
edit.php");
```

4.4 Deleting existing records:

The delete page allows users to delete data based on categories like age, nationality, player ID, name and overall rating [Fig 5.8]. Choosing from different categories provides better user-database interface. Upon deletion, a new page is displayed with appropriate message [Fig 5.9] and upon failing, a new page with error information and possible solutions.

Given below is a code snippet of implementation of delete page. It is created using PHP and MySQL.

```
$sql = "DELETE FROM personal_details WHERE player_name=\"$spname\"";
```

```
$sql = "DELETE FROM personal_details WHERE age=\"$spages\"";
```

```
$sql = "DELETE FROM personal_details WHERE nationality=\"$spnationality\"";
```

```
$sql = "DELETE FROM personal_details WHERE overall_rating=\"$spoverallrating\"";
```

```
$sql = "DELETE FROM personal_details WHERE player_id=\"$spid\"";
```

4.5 Triggers:

The trigger page allows users to look at the database log of operations such as delete, update and insert.

Use: To improve data integrity, trigger can be used. When an action is performed on data, it is possible to check if the manipulation of the data concurs with the underlying business rules, and thus avoids erroneous entries in a table.

Given below is a code snippet of implementation of trigger page. It is created using PHP, MySQL and HTML. Use of HTML makes the UI show database logs in a structured manner.

```
echo " <h1>INSERT TRIGGERS</h1>";

$sql = "SELECT * FROM insert_logs ORDER BY id";

echo " <h1>UPDATE TRIGGERS</h1>";

$sql = "SELECT * FROM update_logs ORDER BY id";

echo " <h1>DELETE TRIGGERS</h1>";

$sql = "SELECT * FROM delete_logs ORDER BY id";
```

Chapter 5

SCREENSHOTS

5.1 Stored procedures:

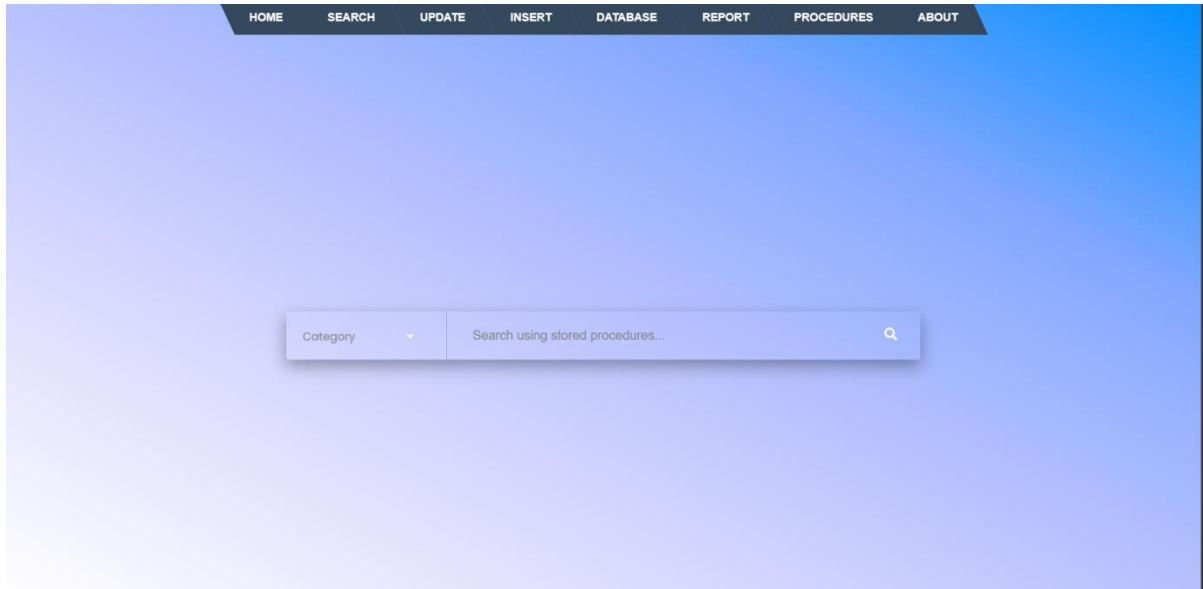


Fig 5.1 Search input for stored procedures.

					HOME	SEARCH	UPDATE	INSERT	DATABASE	REPORT	PROCEDURES	ABOUT
NAME		AGE		OVERALL RATING		NATIONALITY		TEAM				
LIONEL MESSI		35		94		ARGENTINA		PARIS-SAINT GERMAIN				
NEYMAR JR.		30		92		BRAZIL		PARIS-SAINT GERMAIN				

Fig 5.2 Search result using stored procedure from frontend.

✓ Your SQL query has been executed successfully.
5 rows affected by the last statement inside the procedure.

```
SET @p0='90'; CALL `SearchOverallRating`(@p0);
```

Execution results of routine `SearchOverallRating`

id	player_id	player_name	age	overall_rating	nationality
11	155862	SERGIO RAMOS	31	90	Spain
10	167664	G HIGUAIN	29	90	Argentina
9	182521	TONI KROOS	27	90	Germany
8	183277	EDEN HAZARD	26	90	Belgium
7	193080	DE GEA	26	90	Spain

Fig 5.3 Search result using stored procedure from backend.

5.2 Inserting new records:

HOME SEARCH UPDATE INSERT DATABASE REPORT PROCEDURES ABOUT

SELECT TABLE TO INSERT VALUES INTO

SELECT TABLE TO INSERT VALUES INTO

PERSONAL DETAILS

PLAYER CLUB

PLAYER EARNINGS

PLAYER POSITION

PLAYER STATS




Fig 5.4 Selecting table for insertion

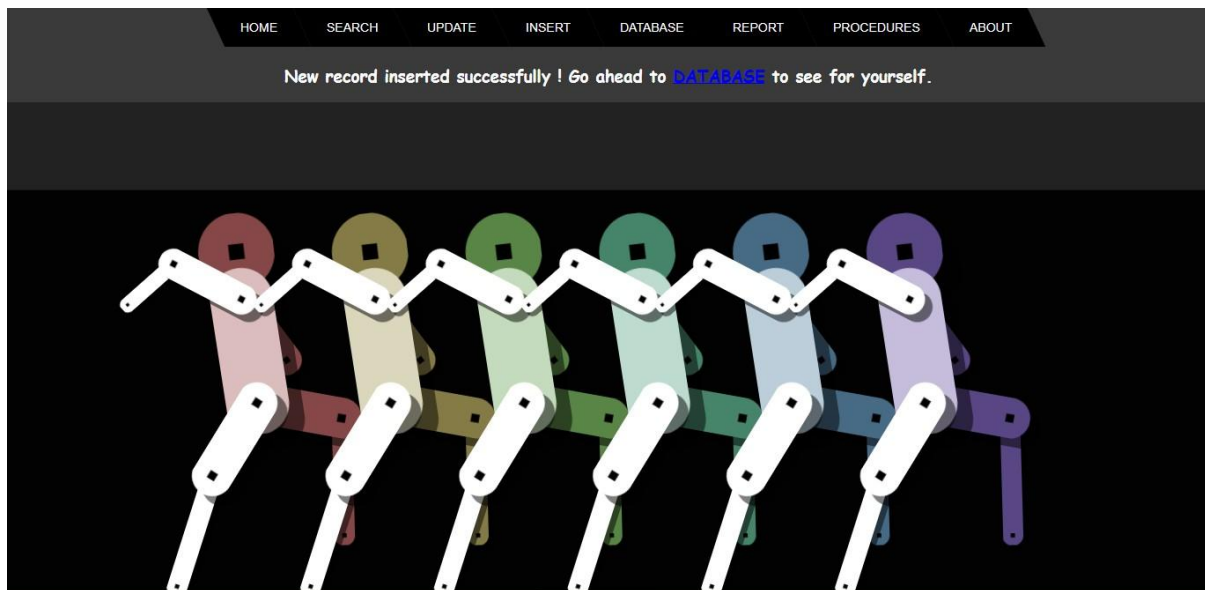


Fig 5.5 Successful insert instance page

5.3 Update existing records:

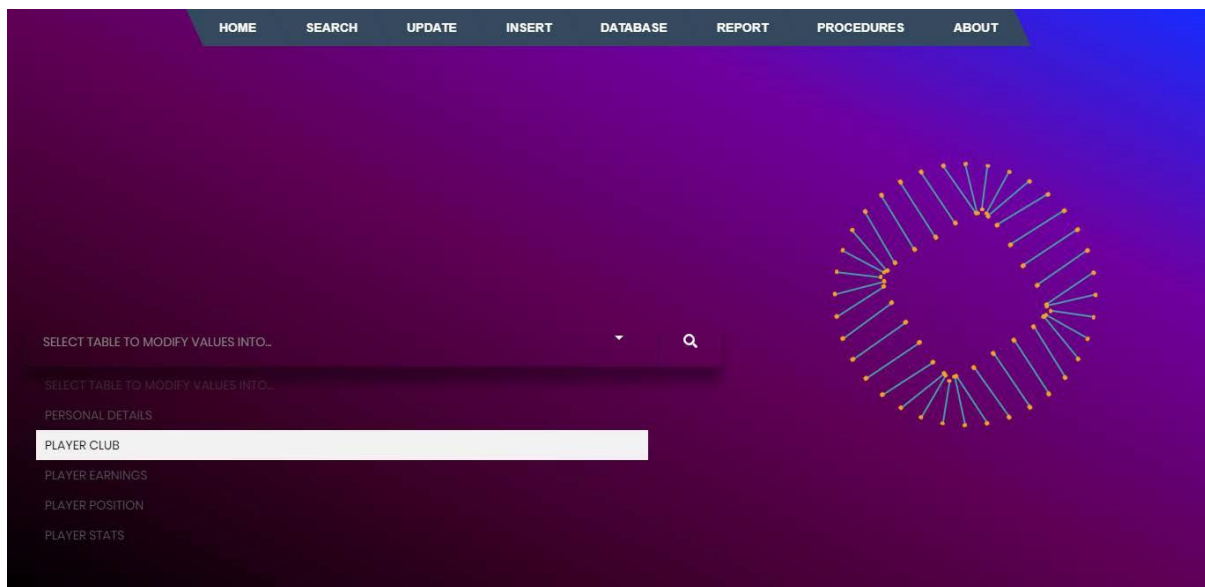


Fig 5.6 Selecting table to modify record











HOME SEARCH UPDATE INSERT DATABASE REPORT PROCEDURES ABOUT					
Refresh					
ID	NAME	AGE	OVERALL RATING	NATIONALITY	
1011	LIONEL MESSI	35	94	ARGENTINA	 
1034	CRISTIANO RONALDO	37	91	PORTUGAL	 
1234	INAO SINGPHO	21	99	INDIA	 
2121	NEYMAR JR.	30	92	BRAZIL	 
6969	SHUBHAM PARMEKAR	19	69	INDIA	 

Fig 5.7 Modifying records in real time

5.4 Deleting records:

HOME SEARCH UPDATE INSERT DATABASE REPORT PROCEDURES ABOUT

SELECT CATEGORY TO DELETE VALUES...

SELECT CATEGORY TO DELETE VALUES...

BY AGE

BY NAME

BY NATIONALITY

BY OVERALL RATING

BY PLAYER ID

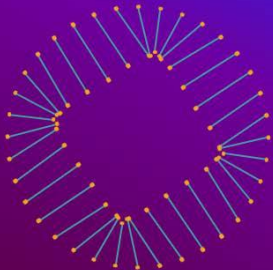


Fig 5.8 Selecting categories for deleting record

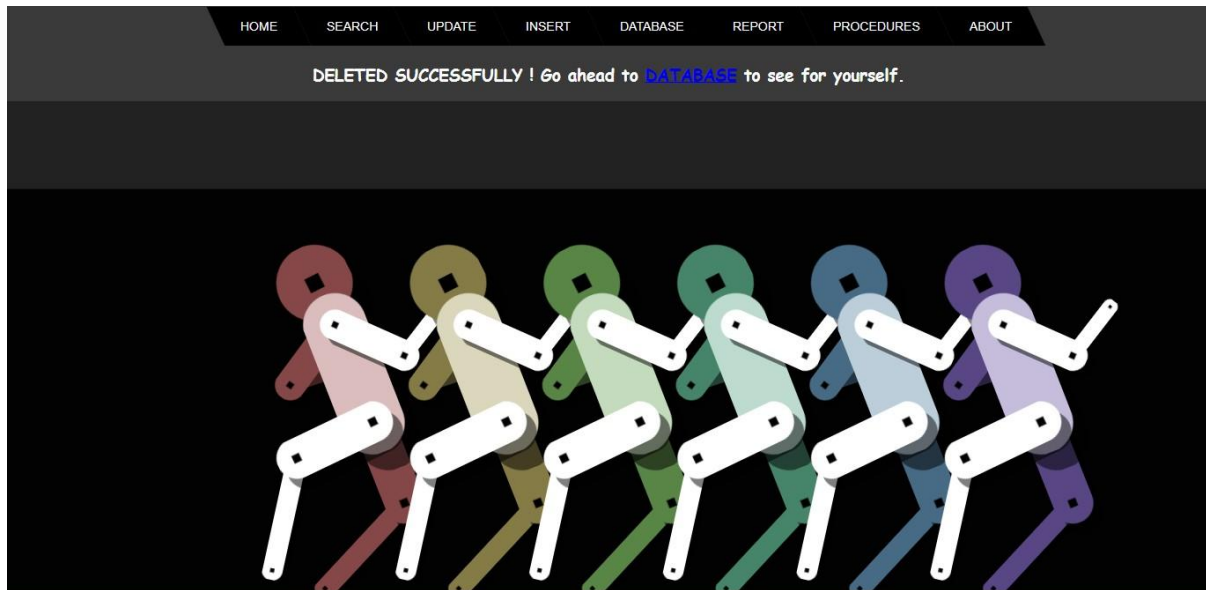


Fig 5.9 Successful deletion instance

5.5 Triggers:

DELETE TRIGGERS		
ID	ACTION	TIME
33	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30
34	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30
35	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30
36	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30
37	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30
38	Deleted Successfully in PERSONAL DETAILS Table	2023-01-14 08:55:30

Fig 5.10 Delete triggers table

INSERT TRIGGERS		
ID	ACTION	TIME
30	Inserted Successfully in PERSONAL DETAILS Table	2023-01-14 09:03:28
31	Inserted Successfully in PLAYER CLUB'S Table	2023-01-14 09:03:58
32	Inserted Successfully in PLAYER SALARY Table	2023-01-14 09:04:33
33	Inserted Successfully in PLAYER'S POSITION Table	2023-01-14 09:04:59
34	Inserted Successfully in PLAYER STATS Table	2023-01-14 09:05:56
35	Inserted Successfully in PERSONAL DETAILS Table	2023-01-14 13:02:22

Fig 5.11 Insert triggers table

UPDATE TRIGGERS		
ID	ACTION	TIME
33	Updated Successfully in PLAYER'S POSITION Table	2023-01-14 13:05:00
34	Updated Successfully in PLAYER SALARY Table	2023-01-14 13:13:13

Fig 5.12 Update triggers table

5.6 Database tables:

PLAYER CLUB		
PLAYER ID	CLUB	PREFERRED POSITION
1011	PARIS-SAINT GERMAIN	ST
1034	AL-NASSR F.C.	ST
1234	U.M.F.C	RW
6969	MUMBAI CITY F.C.	CM
2121	PARIS-SAINT GERMAIN	LW

Fig 5.13 Player club table

PLAYER EARNINGS		
PLAYER ID	WAGE	VALUE
1011	2000000	2147483647
1034	40000000	69696969
1234	1000000	10000000
6969	25000	200000
2121	200000	75000000

Fig 5.14 Player salary table

PLAYER POSITIONS				
PLAYER ID	GOALKEEPER	DEFENDER	CENTRAL-MID	FORWARD
1011	40	58	85	94
1034	40	56	82	91
1234	75	89	94	99
6969	57	60	69	21
2121	40	56	84	92

Fig 5.15 Player position table

PLAYER STATS													
PLAYER ID	ACCELERATION	BALANCE	BALL CONTROL	CROSSING	CURVE	DRIBBLING	FINISHING	GK KICKING	GK POSITIONING	PENALTIES	SHORT PASS	STAMINA	STRENGTH
1011	91	90	92	89	88	93	94	40	40	95	88	90	78
1034	92	87	89	91	86	90	94	40	40	94	84	93	92
1234	95	90	80	91	95	90	95	75	75	99	98	99	99
6969	69	99	85	67	65	82	99	40	99	99	64	95	4
2121	92	90	83	86	87	90	88	40	40	86	78	78	69

Fig 5.16 Player stats table

PERSONAL DETAILS				
PLAYER ID	NAME	AGE	OVERALL RATING	NATIONALITY
1011	LIONEL MESSI	35	94	ARGENTINA
1034	CRISTIANO RONALDO	37	91	PORTUGAL
1234	INAO SINGPHO	21	99	INDIA
6969	SHUBHAM PARMEKAR	19	69	INDIA
2121	NEYMAR JR.	30	92	BRAZIL

Fig 5.17 Player's table

CONCLUSION

This project is developed to nurture the needs of a user/scouting agent to monitor players and inspect their technicalities from every aspect on a football field. This is a computerized version of player management system which will benefit the players as well as the staff of a club.

In this entire process one can search player details, add new skilled players, Update ratings and view all the player statistics. The software takes care data and carefully stores all the player information. It provides security and encapsulation by the use of stored procedures.

FUTURE SCOPE

There is a future scope of this project is to help managers and club staffs to get out the best youth talent across the world. Features like predicting players rating based on their current performances and training sessions helps team staffs to judge players according to the club's needs.

BIBLIOGRAPHY

[1] Database System Model, Languages, Design and Application Programming, Ramez Elmasri and Shamkant B. Navathe, 7th edition, 2017, Pearson.

[2] Database Management System, Ramakrishnan, and Gehrke, 3rd edition, 2014, McGrawHill.

Websites Referred:

- <https://stackoverflow.com/search?q=insert+table>
- <https://stackoverflow.com/search?q=view+table>
- <https://stackoverflow.com/search?q=search+from+table>
- www.quora.com
- <https://www.codeproject.com/search.aspx?q=php+code+for+radio+buttons&x=0&y=0&sbo=qa>
- <https://www.codeproject.com/Articles/38808/Overview-of-SQL-Server-database-Triggers>
- <https://www.techrepublic.com/article/determine-when-to-use-stored-procedures-vs-sql-in-the-code/>
- <https://codepen.io/>
- <https://www.uplabs.com/>
- <https://www.ibm.com/support/knowledgecenter/en/SS6NHC/com.ibm.swg.im.dashdb.sql.ref.doc/doc/c0004100.html>
- <https://www.w3schools.com/html/default.asp>
- <https://www.w3schools.com/css/default.asp>
- <https://www.w3schools.com/php/default.asp>
- https://www.ibm.com/support/knowledgecenter/en/SSEPEK_10.0.0/apsg/src/tpc/db2z_storedprocedure.html