

# Cricket Match Database System

Database System Term Project Part II

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## PROJECT REPORT

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COURSE CODE : C0302

## Overview

A database application to keep information about a cricket match.

Information should be produced in such a way that a full scorecard can be produced.

## Problem Statement Definition:

To design a Web Database application (using PHP and MySQL ) to store information about international T20 cricket matches (Men). The Database will store information about the cricket matches and the information can be used to produce a scorecard (for any match, given the match-id). The user can enter the match-id in the system and the system can generate the full scorecard for the match.

The full scorecard for a particular match will consist of the overall Match, batting and bowling statistics ( Team-wise and Player-wise and Innings-wise).

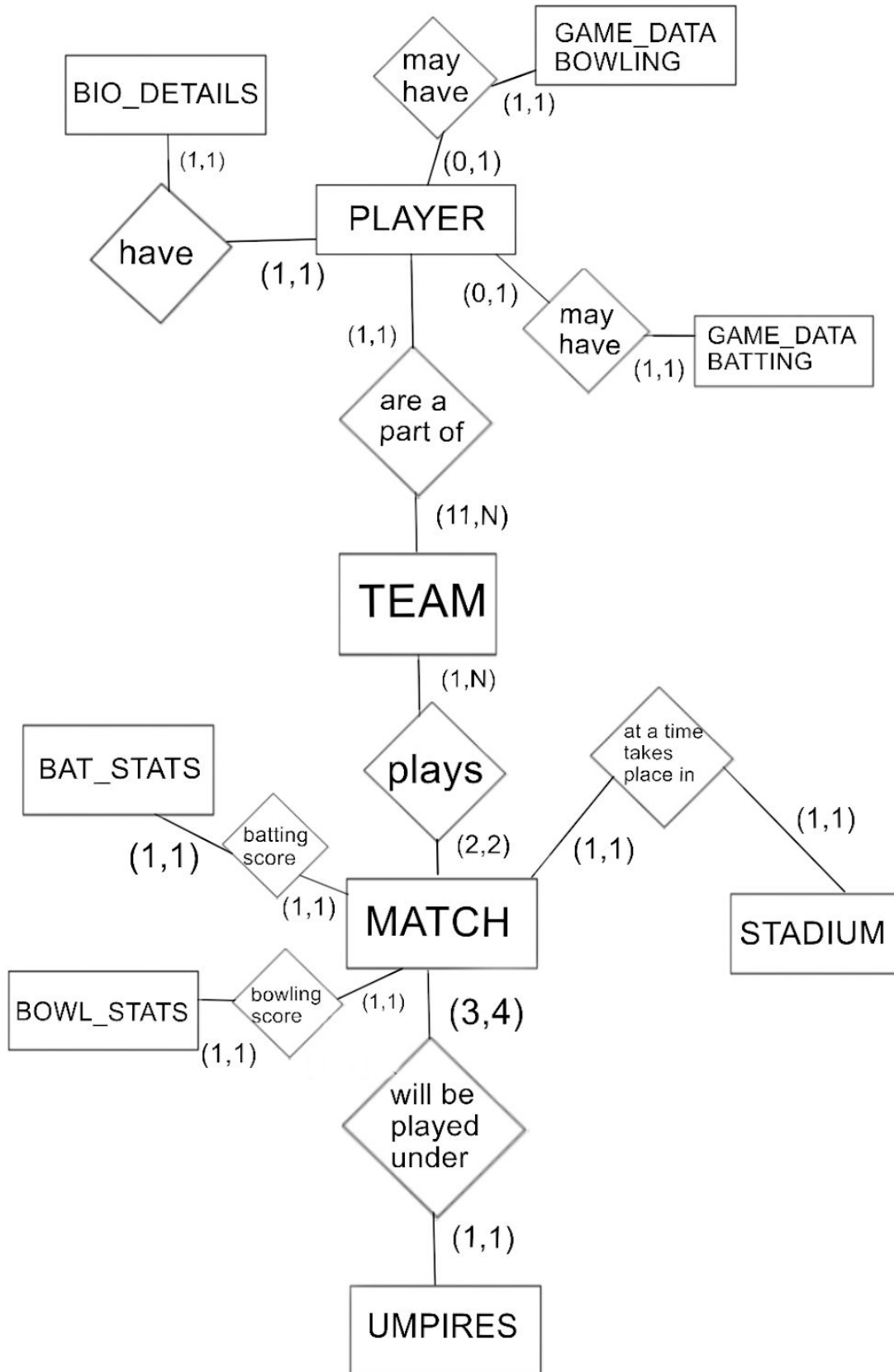
## Reference of report part 1:

In our previous report we strategized our plan to how to display the scorecard, What are the entities required and their corresponding attributes, defined the properties of the attributes and generated a full ER model of the problem statement.

### The Entity-Relationship Model for the following problem statement :

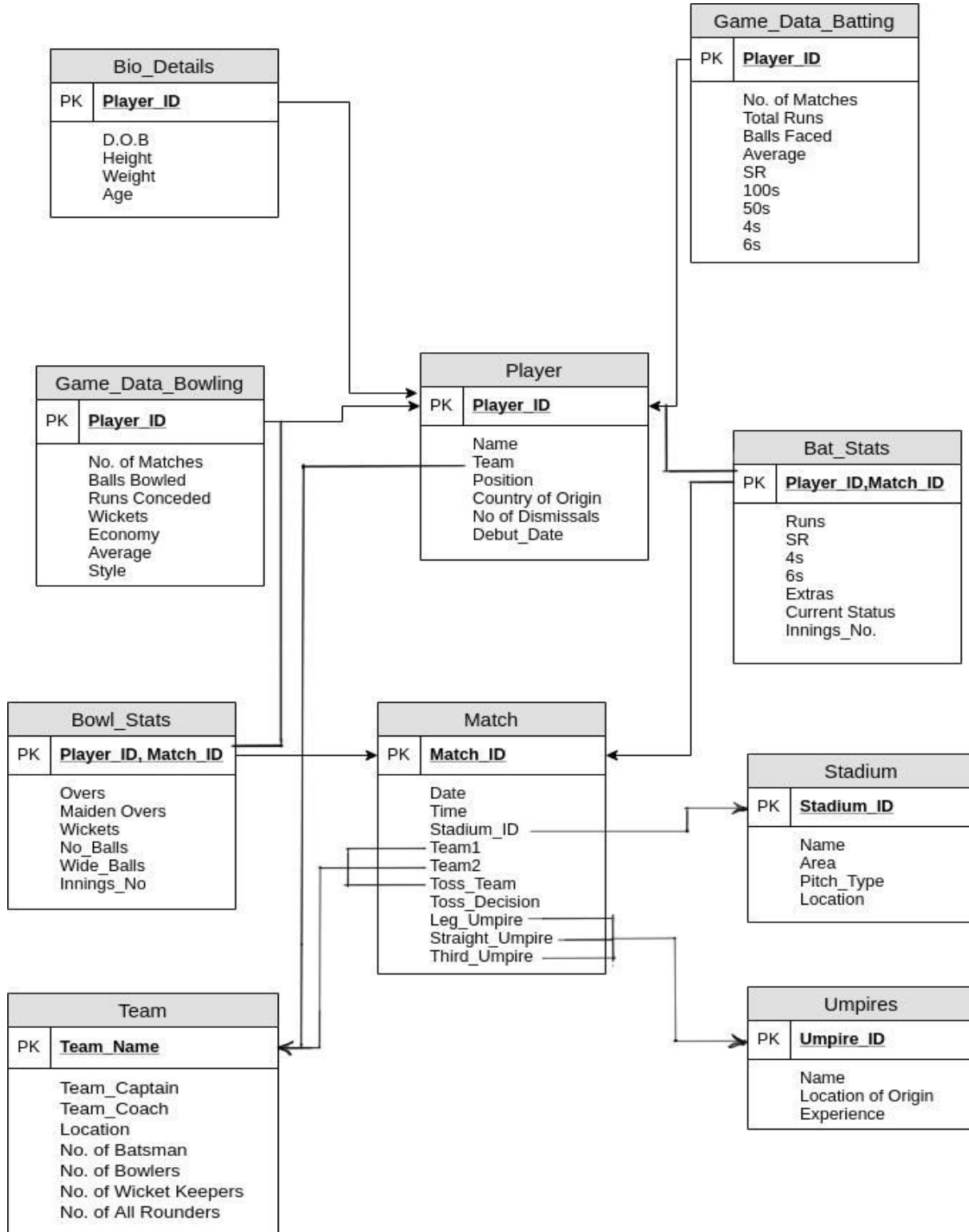
#### **NOTE:**

*The ER Model below has been made as concise as possible (due to the limitation of space and for the maintenance of clarity). Kindly refer to the project report 1 for the attributes.*



After making the ER diagram we made the normalized Relational Model and discovered the relational constraints and functional dependencies

### Conversion of the ER Model to a Relational Model:



## IMPLEMENTATION OF THE RELATION MODEL:

After making the relational model, it was time to implement the model.

We used Xampp which provides server, Mysql for making the frontend and backend.

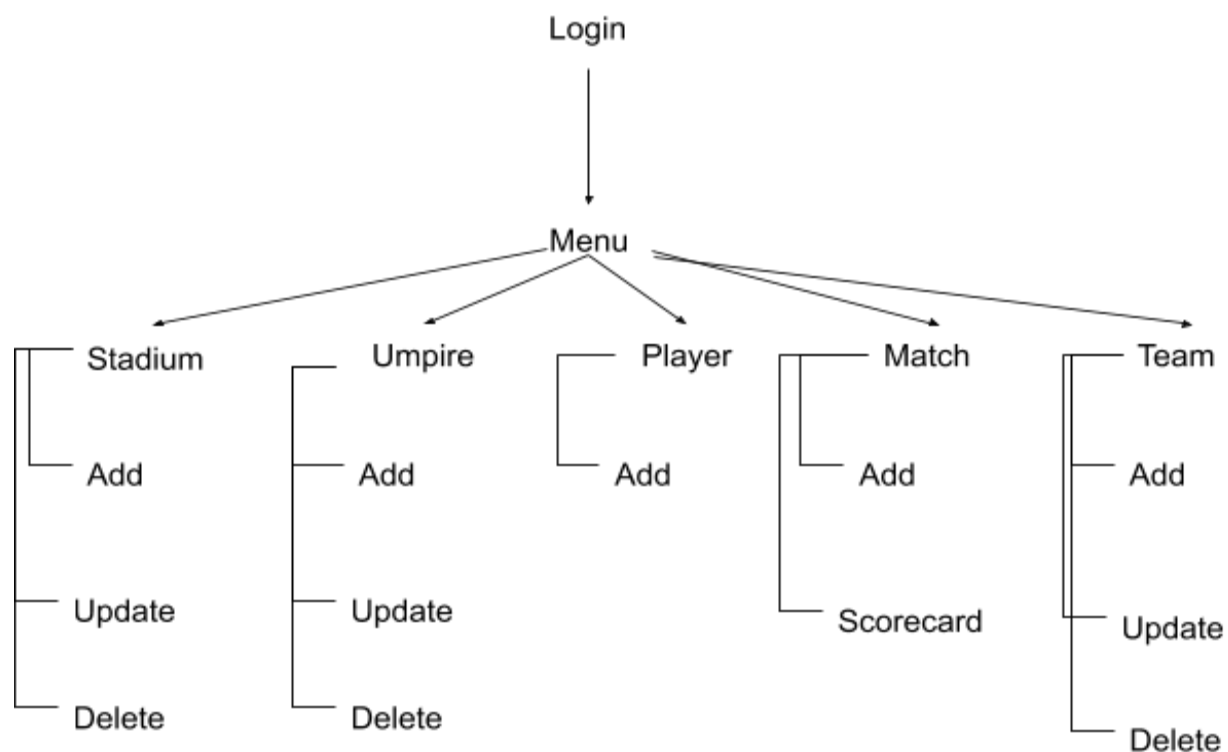
After creating the cricket database, and all the necessary tables in myPhpAdmin.

We have to create an interface to enter the data (frontend) and also an integration code that will run some PHP code in the backend ( SQL commands) which will store the data in our database.

## APPROACH:

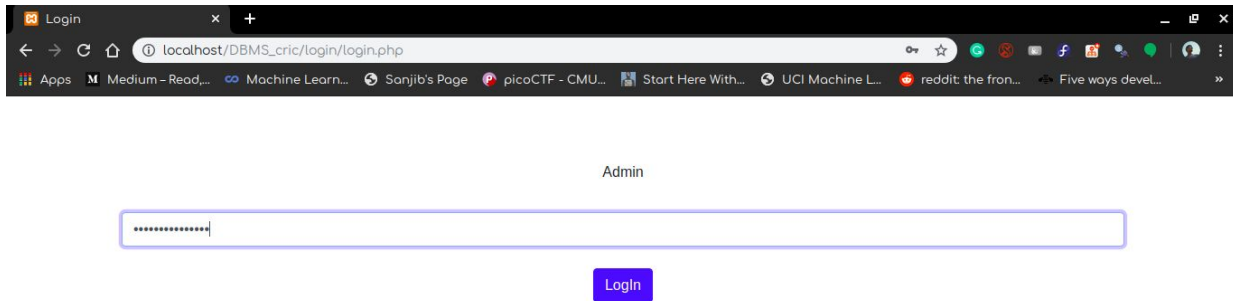
First, we create a simple login system which will lead to our menu, having 5 options Stadium, Umpire, Player, Match, and Team. In each option, we can add, update and delete except the Player and Match (which we can only add).

In the match option, we have the Scorecard Generator which will take Match\_ID as an input and generates the scorecard.



## SECTION WISE CODE SNIPPET AND SCREENSHOTS :

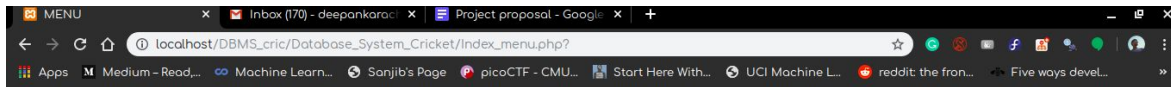
### Creating Login:



### LOGIN BACKEND CODE

```
<?php
require_once('database_Connectivity.php');
if(isset($_POST['login'])){
    $pass=$_POST['password'];
    if(empty($pass)){
        echo "Please fill in the Blanks";
        die("Login-Failed!");
        header("Location:Index_login.php");
    }
    else{
        echo "You are logged in!";
        header("Location:Index_menu.php");
    } } ?>
```

## Creating Menu:



ADD PLAYER

UMPIRE

STADIUM

TEAM

MATCH

EXIT

## MENU FRONTEND CODE

```
<html>
  <head>
    <title>MENU</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
    integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
    crossorigin="anonymous">
  </head>
  <body class="text-center" data-gr-c-s-loaded="true">
    <br><br><br>
    <form action="Index_player.php">
      <button type="submit">ADD PLAYER</button>
    </form>

    <form action="Index_umpire.php">
      <button type="submit">UMPIRE</button>
    </form>

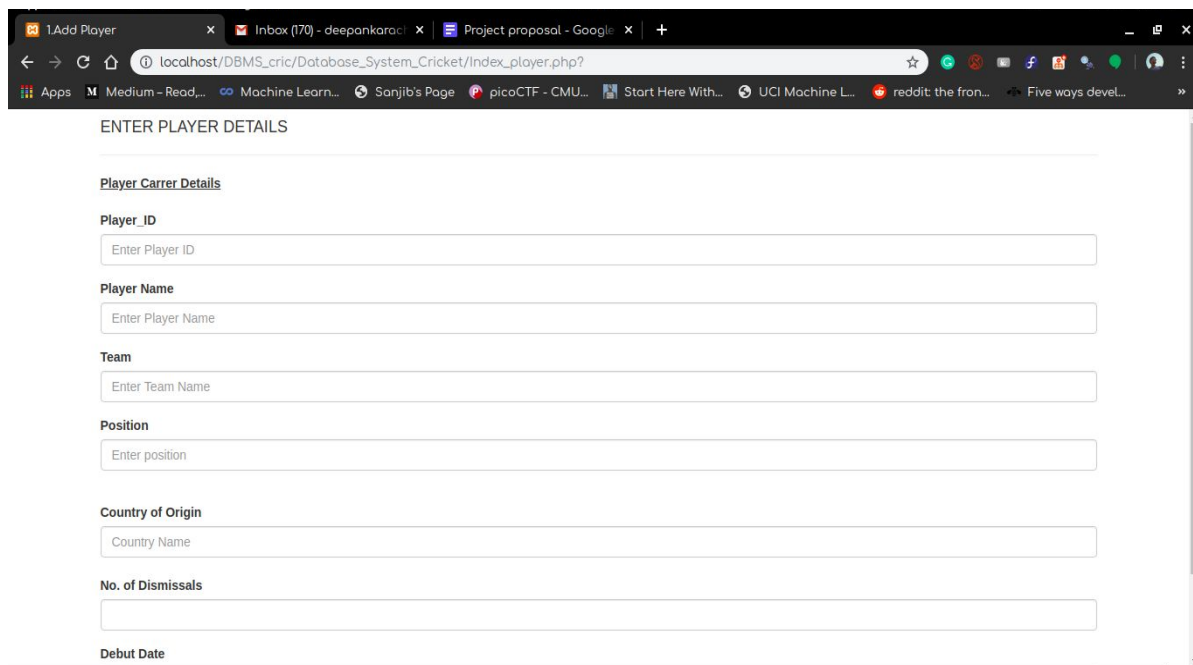
    <form action="Index_stadium.php">
      <button type="submit">STADIUM</button>
    </form>
```

```
<form action="Index_team.php">
<button type="submit">TEAM</button>
</form>

<form action="Index_match.php">
<button type="submit">MATCH</button>
</form>

<form action="Index_login.php">
<button type="submit">EXIT</button>
</form>
</body>
</html>
```

## PLAYER DATA ENTRY:



The screenshot shows a web browser window with the address bar displaying `localhost/DBMS_cric/Database_System_Cricket/Index_player.php?`. The browser's tab bar shows several open tabs, including "1.Add Player", "Inbox (170) - deepankar...", and "Project proposal - Google". The browser's address bar also shows a search bar and a star icon. The browser's toolbar includes icons for back, forward, refresh, and home, as well as a search bar and a star icon. The browser's status bar shows the text "1.Add Player".

The main content of the page is a form titled "ENTER PLAYER DETAILS". The form contains several input fields for player information:

- Player Carrer Details** (Section Header)
- Player\_ID**: Input field with placeholder text "Enter Player ID".
- Player Name**: Input field with placeholder text "Enter Player Name".
- Team**: Input field with placeholder text "Enter Team Name".
- Position**: Input field with placeholder text "Enter position".
- Country of Origin**: Input field with placeholder text "Country Name".
- No. of Dismissals**: Input field.
- Debut Date**: Input field.



```

if(isset($_POST['submit1'])) {

    $id = $_POST['inputId'];

    $name = $_POST['inputName'];

    $team = $_POST['inputTeam'];

    $position = $_POST['inputPos'];

    $country = $_POST['input_Country'];

    $Dismiss = $_POST['input_Dismissals'];

    $ip_date = $_POST['input_date'];

    $sql = "INSERT INTO PLAYER VALUES
    ('{$name}', '{$id}', '{$country}', {$Dismiss}, '{$team}', '{$position}', '{$ip_date}'
    )";

    $connection->query($sql);

}

```

## PLAYER BIO DETAILS:

1.Add Player    Inbox (170) - deepankaraci    Project proposal - Google    +

localhost/DBMS\_cric/Database\_System\_Cricket/Bio\_e\_PL\_r.php

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### ENTER PLAYER DETAILS

Player Bio Details

**Date Of Birth :**

dd/mm/yyyy

**Height :**

in cm

**Weight :**

in kg

**Age**

Next

```

if(isset($_POST['button1'])) {
    $id = $_POST['inputId'];
    $DOB = $_POST['inputDOB'];
    $Ht = $_POST['input_Ht'];
    $Wt = $_POST['input_Wt'];
    $Age = $_POST['input_Age'];

    $sql = "INSERT INTO Bio_Details VALUES
    ('{$id}', '{$DOB}', {$Ht}, {$Wt}, {$Age});";

    $result = $connection->query($sql);
}

```

## GAME DATA BATTING:

1.Add Player    x    Inbox (170) - deepankaraci...    x    Project proposal - Google...    x    +

localhost/DBMS\_cric/Database\_System\_Cricket/Bio\_r\_GDBLe.php

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---

ENTER PLAYER DETAILS

---

Game Data: Batting

Player\_ID

NO. of Matches:

Total Run:

Balls Faced:

Average:

SR:

100S:

50S:

6S:

```

if(isset($_POST['button2'])) {
    $id = $_POST['inputId'];

```

```

$match = $_POST['ip_no_match'];

$run = $_POST['ip_run'];

$ball_faced = $_POST['ip_ballFaced'];

$avg = $_POST['ip_avg'];

$SR = $_POST['ip_SR'];

$s100 = $_POST['ip_100s'];

$s50 = $_POST['ip_50s'];

$s6 = $_POST['ip_6s'];

$s4 = $_POST['ip_4s'];

// insert player id;

$sql = "INSERT INTO Game_Data_Batting VALUES
('{$id}',{$match},{run},{ball_faced},{avg},{SR},{s100},{s50},{s6},{s4}
)";

$result = $connection->query($sql);

}

```

## GAME DATA BOWLING:

1.Add Player

Inbox (170) - deepankarac... Project proposal - Google

localhost/DBMS\_cric/Database\_System\_Cricket/GDB1r\_GDB2\_e.php

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### ENTER PLAYER DETAILS

Game Data: Bowling

Player\_ID

NO. of Matches :

Balls Bowled :

Run Conceded :

Wicket :

Economy :

Average :

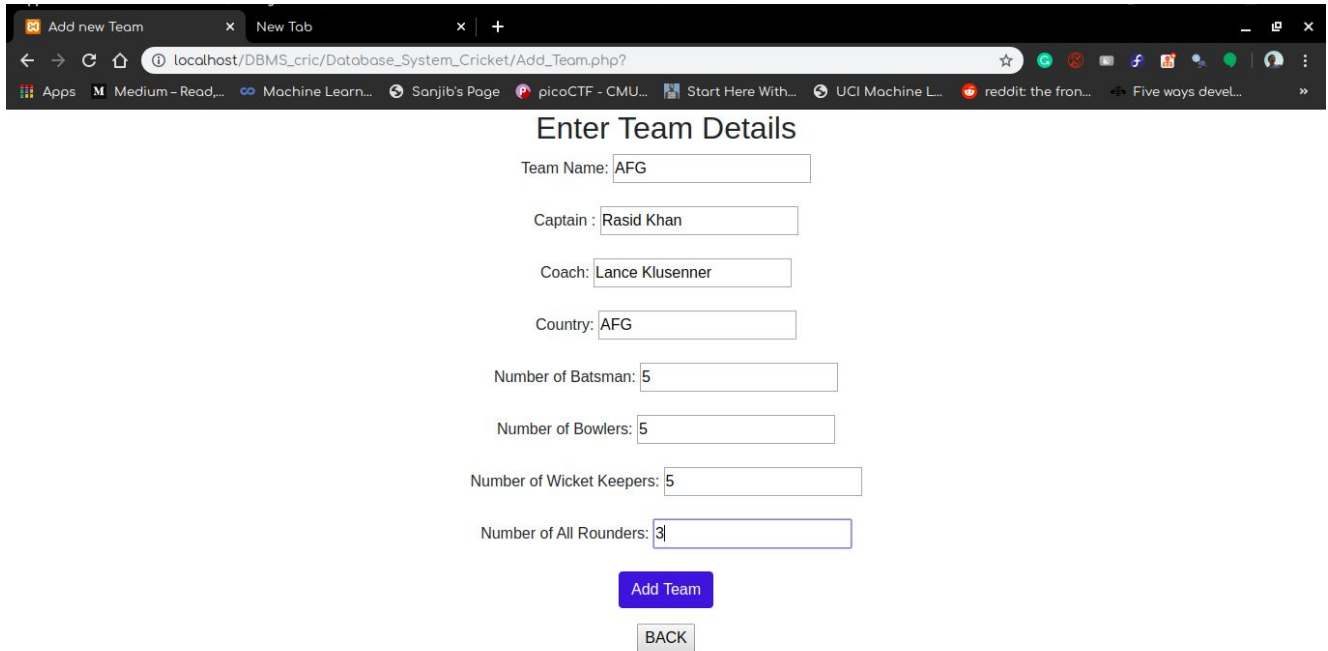
Style :

bowler's style

```
if(isset($_POST['button3'])) {  
    $id = $_POST['inputId'];  
    $match = $_POST['ip_no_matchB'];  
    $balls_bowled = $_POST['ip_ballBowled'];  
    $conceded = $_POST['ip_conceded'];  
    $wickets = $_POST['ip_wicket'];  
    $Eco = $_POST['ip_Eco'];  
    $Avgb = $_POST['ip_avgb'];  
    $style = $_POST['ip_style'];  
    // insert player id;  
    $sql = "INSERT INTO Game_Data_Bowling VALUES  
    ('{$id}',{$match},{balls_bowled},{conceded},{wickets},{Eco},{Avgb},'{$style}')";  
    $result = $connection->query($sql);  
}  
$connection->close();  
header("Location:Index_menu.php");
```

## TEAM CODE

### ADD TEAM:



Enter Team Details

Team Name:

Captain :

Coach:

Country:

Number of Batsman:

Number of Bowlers:

Number of Wicket Keepers:

Number of All Rounders:

```
//create connection
$connection = new mysqli($servername, $username,$password,$dbname);

// Check connection
if ($connection->connect_error) {
    die("Connection failed: " . $connection->connect_error);
}

if(isset($_POST['Add_Team'])){
    //extracting the values
    $team=$_POST['name'];
    $captain=$_POST['captain'];
    $coach=$_POST['coach'];
    $location=$_POST['location'];
    $batsman=$_POST['batsmans'];
```

```

$bowler=$_POST['bowlers'];

$wicket_keeper=$_POST['wicket_keepers'];

$all_rounder=$_POST['all_rounders'];

//forming mysql commands

$sql1="INSERT INTO Team values
('{$team}','{$captain}','{$coach}','{$location}',{$batsman},{ $bowler},{ $wicket
_keeper},{ $all_rounder})";

if($connection->query($sql1)==TRUE) {

    echo "New record created successfully";

    header("Location:Index_menu.php");

    $connection->close();

    exit;

}

else{

    echo "Error: " . $sql1 . "<br>" . $connection->error;

    $connection->close();

    header("Location:Index_team.php");

}

}

```

## DELETE TEAM:

```

if(isset($_POST['Delete_Team'])) {

    //extracting the values

    $id=$_POST['team'];

    //forming MySQL commands

```

```

$sql1="DELETE FROM Team where Team_Name='{ $id} '";

if($connection->query($sql1)==TRUE) {

    echo "record removed successfully";

    header("Location:Index_menu.php");

    $connection->close();}

else{  echo "Error: " . $sql1 . "<br>" . $connection->error;

    $connection->close();

}

header("Location:Index_team.php");

```

## UPDATE:

```

if(isset($_POST['Update_Team'])) {

    //extracting the values

    $team=$_POST['name'];

    $captain=$_POST['captain'];

    $coach=$_POST['coach'];

    $location=$_POST['location'];

    $batsman=$_POST['batsmans'];

    $bowler=$_POST['bowlers'];

    $wicket_keeper=$_POST['wicket_keepers'];

    $all_rounder=$_POST['all_rounders'];

    //forming mysql commands

    $sql1="UPDATE Team set

Team_Captain='{ $captain}',Team_Coach='{ $coach}',Location='{ $location}',No_of_B
atsman={ $batsman},No_of_Bowlers={ $bowler},No_of_WicketKeepers={ $wicket_keeper}
,No_of_AllRounders={ $all_rounder}  where Team_Name='{ $team}' ";

    if($connection->query($sql1)==FALSE) {

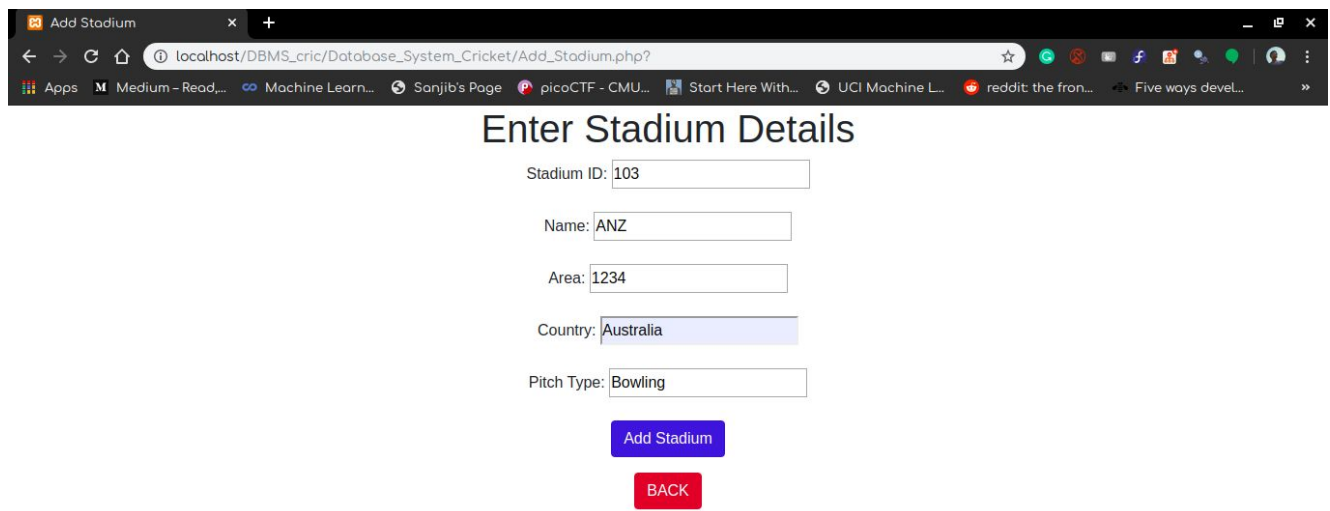
        echo "Record Updation Error!".$connection->error;

    }
}

```

```
else{  
    echo "Record Updated Successfully!";  
}  
  
$connection->close();  
  
header("Location:Index_menu.php");
```

## STADIUM:



Enter Stadium Details

Stadium ID:

Name:

Area:

Country:

Pitch Type:

## ADD:

```
if(isset($_POST['Add_Stadium'])) {  
    //extracting the values  
    $id=$_POST['Stadium_ID'];  
    $name=$_POST['Name'];  
    $location=$_POST['Location'];
```



```

$area=$_POST['Area'];

$pitch=$_POST['Pitch_Type'];

//forming mysql commands

$sql1="INSERT INTO Stadium values
({$id},'{$name}',{$area},'{$pitch}','{$location}')";

if($connection->query($sql1)==TRUE){

    echo "New record created successfully";

    header("Location:Index_menu.php");

    $connection->close();

}

else{

    echo "Error: " . $sql1 . "<br>" . $connection->error;

    $connection->close();

}

header("Location:Index_menu.php");

}

```

## DELETE:

```

if(isset($_POST['Delete_Stadium'])) {

    //extracting the values

    $id=$_POST['Stadium_ID'];

    //forming mysql commands

    $sql1="DELETE FROM Stadium where Stadium_ID={$id}";

    if($connection->query($sql1)==TRUE){

        echo "record removed successfully";

        header("Location:Index_menu.php");

        $connection->close();

    }

}

```

```

}

else{

    echo "Error: " . $sql1 . "<br>" . $connection->error;

    $connection->close();}

header("Location:Index_menu.php");

exit;}

```

## UPDATE:

```

if(isset($_POST['Update_Stadium'])) {

    //extracting the values

    $id=$_POST['ID'];

    $name=$_POST['Name'];

    $location=$_POST['Location'];

    $pitch=$_POST['Pitch'];

    $area=$_POST['Area'];

    //forming mysql commands

    $sql1="UPDATE Stadium set
Name='{ $name}',Location='{ $location}',Pitch_type={ $pitch},Area={ $area}  where
Stadium_ID={ $id} ";

    if($connection->query($sql1)==FALSE) {

        echo "Record Updation Error!".$connection->error;

    }

    else{

        echo "Record Updated Successfully!";

    }}

$connection->close();

header("Location:Index_menu.php");

```

## MATCH:

New Match

localhost/DBMS\_cric/Database\_System\_Cricket/Add\_match.php?

### Enter Match Details

Match ID :

Date :

Start Time :

Venue :

Teams :  v/s

Toss: Won by:  Decided to:

Umpires:

Straight Umpire:

Leg Umpire:

Third Umpire:

## ADD MATCH

```
if(isset($_POST['Next1'])) {

    $match_ID=$_POST['match_ID'];

    $date=$_POST['date'];

    $time=$_POST['time'];

    $stadium=$_POST['location'];

    $team1=$_POST['team1'];

    $team2=$_POST['team2'];

    $toss_team=$_POST['toss_team'];

    $toss_decision=$_POST['toss_decision'];

    $leg_umpire=$_POST['umpire2'];

    $st_umpire=$_POST['umpire1'];

    $third_umpire=$_POST['umpire3'];
```

```

if($toss_team!=$team1){

    $team2=$team1;

    $team1=$toss_team;

}

if($toss_decision=='BOWL'){

    $first=$team1;

    $second=$team2;

}

else{

    $first=$team2;

    $second=$team1;

}

//forming mysql commands

$sql1="INSERT INTO Matches values
('${match_ID}','{$date}','{$time}','{$stadium}','{$team1}','{$team2}','{$toss_
team}','{$toss_decision}','{$leg_umpire}','{$st_umpire}','$third_umpire)";

$sql_bowl1="SELECT Name,Player_ID FROM PLAYER where Team='{$first}' and
Position in ('Bowler','AllRound)";

$sql_bowl2="SELECT Name,Player_ID FROM PLAYER where Team='{$second}' and
Position in ('Bowler','AllRound)";

if($connection->query($sql1)==TRUE){

    //echo "New record created successfully";

}

else{

    echo "Error: " . $sql1 . "<br>" . $connection->error;

}

$result_bowl1=$connection->query($sql_bowl1);

$result_bowl2=$connection->query($sql_bowl2);

```

```
}  
  
else{  
  
    header("Location:Add_match.php");  
  
}  
  
$connection->close();
```

```
if(isset($_POST['Next2'])){  
  
    $mid=$_POST['match_id'];  
    $pid=$_POST['bowl1_id'];  
    $overs=$_POST['bowl1_O'];  
    $maiden=$_POST['bowl1_M'];  
    $wicket=$_POST['bowl1_W'];  
    $no_ball=$_POST['bowl1_NB'];  
    $wide_ball=$_POST['bowl1_WB'];  
  
    $i=0;  
    while($i<count($pid)){  
        $pid1=$pid[$i];  
        $overs1=$overs[$i];  
        $maiden1=$maiden[$i];  
        $wicket1=$wicket[$i];  
        $no_ball1=$no_ball[$i];  
        $wide_ball1=$wide_ball[$i];  
  
        $sql1="INSERT INTO Bowl_Stats VALUES  
( '{$pid1}', '{$mid}', {$overs1}, {$maiden1}, {$wicket1}, {$no_ball1}, {$wide_ball1},  
1)";
```

```

        $sql2="Update Game_Data_Bowling set
No_of_Matches=No_of_Matches+1,Wickets=Wickets+{$wicket1},Balls_Bowled=Balls_Bo
wled+{$overs1}*6 where Player_ID='{$pid1}'";

        $connection->query($sql1);

        $connection->query($sql2);

        $i=$i+1;

    }

    $pid=$_POST['bowl2_id'];
    $overs=$_POST['bowl2_O'];
    $maiden=$_POST['bowl2_M'];
    $wicket=$_POST['bowl2_W'];
    $no_ball=$_POST['bowl2_NB'];
    $wide_ball=$_POST['bowl2_WB'];

    $i=0;

    while($i<count($pid)){

        $pid1=$pid[$i];
        $overs1=$overs[$i];
        $maiden1=$maiden[$i];
        $wicket1=$wicket[$i];
        $no_ball1=$no_ball[$i];
        $wide_ball1=$wide_ball[$i];

        $sql1="INSERT INTO Bowl_Stats VALUES
('{$pid1}','{$mid}',{$overs1},{maiden1},{wicket1},{no_ball1},{wide_ball1},
2)";

        $sql2="Update Game_Data_Bowling set
No_of_Matches=No_of_Matches+1,Wickets=Wickets+{$wicket1},Balls_Bowled=Balls_Bo
wled+{$overs1}*6 where Player_ID='{$pid1}'";

```

```

        $connection->query($sql1);

        $connection->query($sql2);

        $i=$i+1;

    }
}

$first=$_POST['first'];
$second=$_POST['second'];

$sql3="SELECT Name,Player_ID FROM PLAYER where Team='{ $first}' and Position in
('Batsman','AllRound','WktKpr)";

$sql4="SELECT Name,Player_ID FROM PLAYER where Team='{ $second}' and Position
in ('Batsman','AllRound','WktKpr)";

$result_bat2=$connection->query($sql3);
$result_bat1=$connection->query($sql4);

```

```

<tbody>

    <?php

        while($row = $result_bat1->fetch_assoc()) {

            echo "<tr>";

            echo '<td><input type="text" name="bat1_id[]" '
value='.$row['Player_ID'].' readonly></td>';

            echo '<td><input type="text" name="bat1_name[]" '
value='.$row['Name'].' readonly></td>';

            echo '<td><input type="number" name="bat1_R[]"></td>';
            echo '<td><input type="number" name="bat1_SR[]"></td>';
            echo '<td><input type="number" name="bat1_4s[]"></td>';
            echo '<td><input type="number" name="bat1_6s[]"></td>';
            echo '<td><input type="number" name="bat1_Es[]"></td>';
            echo '<td><input type="text" name="bat1_S[]"></td>';

            echo "</tr>";
        }
    }

```

```
    }  
    ?>  
</tbody>
```

```
//to remove restriction  
$mode='SET @@global.sql_mode="NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION";  
$connection->query(mode);  
  
if(isset($_POST['Next3'])){  
  
    $mid=$_POST['match_id'];  
    $pid=$_POST['bat1_id'];  
    $runs=$_POST['bat1_R'];  
    $SR=$_POST['bat1_SR'];  
    $s4=$_POST['bat1_4s'];  
    $s6=$_POST['bat1_6s'];  
    $Es=$_POST['bat1_Es'];  
    $S=$_POST['bat1_S'];  
  
    $i=0;  
    while($i<count($pid)){  
        $pid1=$pid[$i];  
        $runs1=$runs[$i];  
        $SR1=$SR[$i];  
        $s41=$s4[$i];  
        $s61=$s6[$i];  
        $Es1=$Es[$i];  
        $S1=$S[$i];
```



```

        $s100=$runs1/100;

        $s50=$runs1/50;

        $sql1="INSERT INTO Bat_Stats VALUES
('{$spid1}','{$mid}',{$runs1},{ $SR1},{ $s41},{ $s61},{ $Es1},{ $S1},1)";

        $sql2="Update Game_Data_Batting set
No_of_Matches=No_of_Matches+1,Total_Runs=Total_Runs+{$runs1},100s=100s+{$s100}
,50s=50s+{$s50},4s=4s+{$s41},6s=6s+{$s61} where Player_ID='{$spid1}'";

        if($connection->query($sql1)==TRUE) {

            echo "New record created successfully";

        }

        else{

            echo "Error: " . $sql1 . "<br>" . $connection->error;

        }

        if($connection->query($sql2)==TRUE) {

            echo "New record created successfully";

        }

        else{

            echo "Error: " . $sql2 . "<br>" . $connection->error;

        }

        $i=$i+1;

    }

```

## SCORECARD:

ScoreCard-Generator

localhost/DBMS\_cric/Database\_System\_Cricket/Match\_ID\_Input.php?

Enter the Match-ID :

Get ScoreCard !

BACK

ScoreCard

localhost/DBMS\_cric/Database\_System\_Cricket/match\_scoreCard.php

Match Info	
Match	IND v/s PAK
Match ID	17035
Toss	Won by IND, Decided to BAT
Time	12:00:00
Venue	Eden
Umpires	Bill , HK , Gerard
Date	2019-11-14
IND	KL Rahul ; Chahal ; MS Dhoni ; Ravindra Jadeja ; Bhuvneshwar Kumar ; Rishab Pant ; Virat Kohli ; Hardik Pandya ; Shreyas Iyer ; Rohit G sharma ; Kedar Jadhav ; Jasprit Bumrah ;
PAK	Babar Azam ; Sarfaraaz Ahmed ; Mohammad Amir ; Imam-ul-Haq ; Shoaib Malik ; Hasan Ali ; Fakhar Zaman ; Mohammad Hafeez ; Iftikhar Ahmed ; Shaheen Afridi ; Imad Wasim ;

### 1st Innings

#### IND's Inninas

The screenshot shows a web browser window with multiple tabs. The active tab displays a URL: localhost/DBMS\_cric/Database\_System\_Cricket/match\_scoreCard.php. Below the browser window, there is a section titled "IND's Innings". It contains two tables. The first table, labeled "Total Runs:0", lists batsmen and their runs, fours, sixes, and strike rates. The second table, labeled "ECO", lists bowlers and their economy rates.

Batsman	Runs	4s	6s	SR
Babar Azam	0	0	0	0.00
Sarfaraaz Ahmed	0	0	0	0.00
Imam-ul-Haq	0	0	0	0.00
Shoaib Malik	0	0	0	0.00
Fakhar Zaman	0	0	0	0.00
Mohammad Hafeez	0	0	0	0.00
Iftikhar Ahmed	0	0	0	0.00
Imad Wasim	0	0	0	0.00

Bowler	O	M	W	WD	NB	ECO
Chahal	0	0	0	0	0	
Ravindra Jadeja	0	0	0	0	0	
Bhuvneshwar Kumar	0	0	0	0	0	

**ScoreCard**

localhost / localhost / CR x +

localhost/DBMS\_cric/Database\_System\_Cricket/match\_scoreCard.php

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## 2nd Innings

### PAK's Innings

Total Runs:0  
 >>>>>>>>  
 >>>>>>

Batsman	Runs	4s	6s	SR
KL Rahul	0	0	0	0.00
MS Dhoni	0	0	0	0.00
Ravindra Jadeja	0	0	0	0.00
Rishab Pant	0	0	0	0.00
Virat Kohli	0	0	0	0.00
Hardik Pandya	0	0	0	0.00
Shreyas Iyer	0	0	0	0.00
Rohit G sharma	0	0	0	0.00
Kedar Jadhav	0	0	0	0.00

Bowler	O	M	W	WD	NB	ECO
Mohammad Amir	0	0	0	0	0	

```

//retrieving the match-id
if(isset($_POST)){

    $match_id=$_POST["matchid"];

    //extracting the match info from the mysql tables

    $sql1="SELECT * From Matches where Match_ID={$match_id}";

    //Match_Date,Match_Time,Stadium_ID,Team1,Team2,Toss_Team,Toss_Decision,Leg_Umpire,
    Straight_Umpire,Third_Umpire

    $result1=$connection->query($sql1);

    $row1 = $result1->fetch_array();

    //retrieving the name of the stadium

    $sql2="SELECT Name from Stadium where Stadium_ID={$row1["Stadium_ID"]}";

    $result2=$connection->query($sql2);

    $row2=$result2->fetch_array();

    //Batsman Statistics

    $sql31="SELECT * from Bat_Stats where Match_ID={$match_id} and
Innings_No=1";

    $result31=$connection->query($sql31);

    $sql32="SELECT * from Bat_Stats where Match_ID={$match_id} and
Innings_No=2";

    $result32=$connection->query($sql32);

    //Bowling Statistics

    $sql41="SELECT * from Bowl_Stats where Match_ID={$match_id} and
Innings_No=1";

    $result41=$connection->query($sql41);

    $sql42="SELECT * from Bowl_Stats where Match_ID={$match_id} and
Innings_No=2";

    $result42=$connection->query($sql42);

    //Retrieving the Team members

    $sql5="Select Name from PLAYER where Team='{ $row1["Team1"] }'";

```

```

$result5=$connection->query($sql5);

$sql6="Select Name from PLAYER where Team='{ $row1["Team2"] }'";

$result6=$connection->query($sql6);

//retrieving total runs

$sql7="Select Sum(Runs) AS tr from Bat_Stats where Innings_No=2 and
Match_ID={ $match_id } ";

$sql8="Select Sum(Runs) AS tr from Bat_Stats where Innings_No=1 and
Match_ID={ $match_id } ";

$result7=$connection->query($sql7);

$result8=$connection->query($sql8);

$row7 = $result7->fetch_array();

$row8 = $result8->fetch_array();

$totalruns1=$row8['tr'];

$totalruns2=$row7['tr'];

if($result1->num_rows>0){

}

else{

    echo "No Results Found!";

}

}

```

```

<?php

if($result31->num_rows>0){

    while ($row = mysqli_fetch_array($result31)) {

        //retrieving the name of the player

        $sql_temp="SELECT Name from PLAYER where
Player_ID='{ $row['Player_ID'] }'";

        $result_temp=$connection->query($sql_temp);
    }
}

```

```

        $row_temp=$result_temp->fetch_array();

        $name=$row_temp['Name'];

        echo '<tr><td>' ;

        echo $name ;

        echo '</td><td>';

        echo $row['Current_Status'] ;

        echo '</td><td>';

        echo $row['Runs'];

        echo '</td><td>';

        echo $row['4s'];

        echo '</td><td>';

        echo $row['6s'];

        echo '</td><td>';

        echo $row['SR'];

        echo '</td>></tr>' ;

    }

}

else    echo "No Data Found!";

?>

```

```

while ($row = mysqli_fetch_array($result42)) {

    //retrieving the name of the player

    $sql_temp="SELECT Name from PLAYER where
Player_ID='{ $row['Player_ID'] }'";

    $result_temp=$connection->query($sql_temp);

    $row_temp=$result_temp->fetch_array();

    $name=$row_temp['Name'];

```

```

        //retrieving the economy of the player

        $sql_temp="SELECT Economy from Game_Data_Bowling where
Player_ID='{ $row['Player_ID']} '";

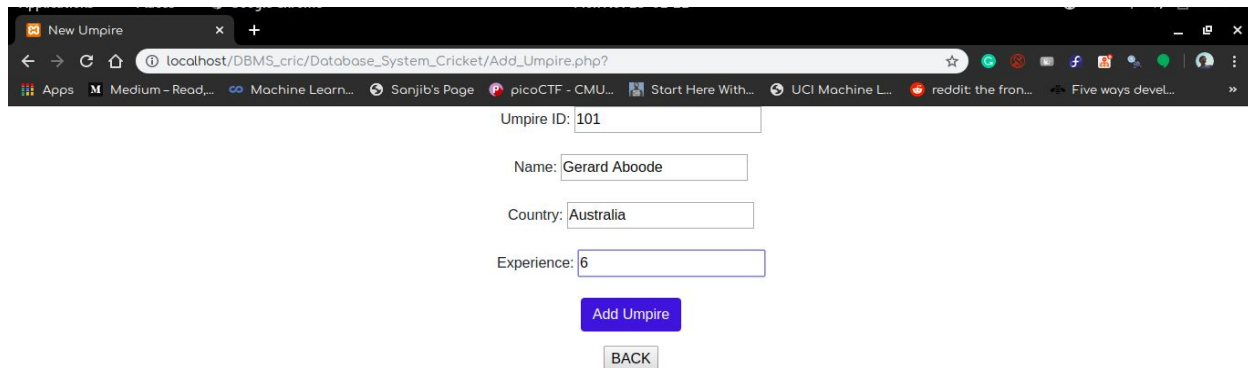
        $result_temp=$connection->query($sql_temp);

        $row_temp=$result_temp->fetch_array();

        $economy=$row_temp['Economy'];

```

## UMPIRE DATA ENTRY:



The screenshot shows a web browser window with the address bar displaying 'localhost/DBMS\_cric/Database\_System\_Cricket/Add\_Umpire.php?'. The browser has several tabs open, including 'New Umpire'. The main content area shows a form for adding a new umpire. The form has four input fields: 'Umpire ID:' with the value '101', 'Name:' with the value 'Gerard Aboode', 'Country:' with the value 'Australia', and 'Experience:' with the value '6'. Below the input fields are two buttons: a blue 'Add Umpire' button and a grey 'BACK' button.

## UMPIRE BACKEND CODE:

```

<?php
//credentials
$servername= "localhost";
$username="CSB17017@35";
$password="helloworld";
$dbname = "CRICKET_DBMS";

//create connection
$connection = new mysqli($servername, $username,$password,$dbname);

// Check connection

```

```

if ($connection->connect_error) {
    die("Connection failed: " . $connection->connect_error);
}

if(isset($_POST['Add_Umpire'])){
    //extracting the values
    $id=$_POST['Umpire_ID'];
    $name=$_POST['Name'];
    $location=$_POST['Location'];
    $experience=$_POST['Experience'];

    //forming mysql commands
    $sql1="INSERT INTO Umpires values ({ $id},{ $name},{ $location},{ $experience})";
    if($connection->query($sql1)==TRUE){
        echo "New record created successfully";
        header("Location:Index_menu.php");
        $connection->close();
        exit;
    }
    else{
        echo "Error: " . $sql1 . "<br>" . $connection->error;
        $connection->close();
    }
} ??>

```

## UMPIRE UPDATE CODE:

```

<?php
//credentials
$servername= "localhost";
$username="CSB17017@35";
$password="helloworld";
$dbname = "CRICKET_DBMS";

```



```

//create connection

$connection = new mysqli($servername, $username,$password,$dbname);

// Check connection
if ($connection->connect_error) {
    die("Connection failed: " . $connection->connect_error);
}

if(isset($_POST['Update_Umpire'])){

    //extracting the values
    $id=$_POST['ID'];
    $name=$_POST['Name'];
    $location=$_POST['Location'];
    $experience=$_POST['Experience'];

    //forming mysql commands
    $sql1="UPDATE Umpires set Name='{ $name}',Location_of_Origin='{ $location}',Experience={ $experience}
where Umpire_ID={ $id} ";
    if($connection->query($sql1)==FALSE){
        echo "Record Updation Error!". $connection->error;
    }
    else{
        echo "Record Updated Successfully!";
        header("Location:Index_menu.php");
    }
}
$connection->close();
exit;
?>

```

## UMPIRE DELETE CODE:

```
<?php
//credentials
$servername= "localhost";
$username="CSB17017@35";
$password="helloworld";
$dbname = "CRICKET_DBMS";

//create connection
$conn = new mysqli($servername, $username,$password,$dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
if(isset($_POST['Delete_Umpire'])){
    //extracting the values
    $id=$_POST['Umpire_ID'];
    //forming mysql commands
    $sql1="DELETE FROM Umpires where Umpire_ID={$id}";
    if($conn->query($sql1)==TRUE){
        echo "record removed successfully";
        header("Location:Index_menu.php");
        $conn->close();
    }
    else{
        echo "Error: " . $sql1 . "<br>" . $conn->error;
        $conn->close();
    }
    header("Location:Index.php");
    exit;
} ?>
```

-----XXX-----