**Chapter 4:**

**SYSTEM IMPLEMENTATION**

**4.1 Tools and languages used:**

**4.1.1 Tools used:**

1. IntelliJ IDEA IDE Community Edition 2018.2 IDE
2. Scenebuilder 2.0
3. MySQL Client and Shell

**4.1.2 Languages used:**

1. Java
2. JavaFX Framework
3. SQL (Structured Query Language)

**4.2 Source Code**

**4.2.1 Login Page:**

<html>

<head>

<title>Login Page</title>

</head>

<bodystyle="background-image: url('b.jpg');margin:0px;padding:0px;">

<center>

<h1>Login In</h1>

<fieldset style="background-image: url('footer.jpg');">

<form method="post" action="1.php">

<table>

<tr>

<td>Username:</td>

<td>

<input type="text" name="id" style="background:#69b7d1">

</td>

</tr>

<tr>

<td>Password:</td>

<td>

<input type="password" name="pass" style="background:#69b7d1" >

</td>

</tr>

</table>

<input type="submit" value="Login" style="background:#80dfff">

<h6>New User?

<br>

<a href="create.html">Register</a><br>

</h6>

<h5>

<a href="admin.html">Admin Login</a>

</h5>

</center>

</fieldset>

</form>

<style>

a:link {

color: blue;

}

a:visited {

color: blue;

}

a:hover {

color: orange;

}

a:focus {

color: green;

}

a:active {

color: red;

}

</style>

</body>

</html

**4.2.2 Backend Validation:**

<?php

$user=$\_POST["id"];

$pass=$\_POST["pass"];

$conn=mysql\_connect("localhost","root","");

if(!$conn)

die("connection not possible".mysql\_error());

mysql\_select\_db("proj");

$sql="select \* from login where user='$user' and pass='$pass'";

$result=mysql\_query($sql,$conn);//executing

if(!$result)

die("Query not executed".mysql\_error());

$rows=mysql\_num\_rows($result);

if($rows>0)

{

header("Location: main.html");

echo "Login Successful ";

}

else

echo "<body bgcolor='#80dff'>Invalid Access <br> Register to Access <br><a href='index.html'>Login page</a></body>";

mysql\_close($conn);

?>

**4.2.3 General Query Validation Page:**

“$command” variable in this program refers to the various operation that can be performed (insert, delete, display, update).

<?php

$command=$\_POST["sql"];

$conn = mysql\_connect("localhost","root","");

if (!$conn)

{

die('Error: Could not connect: ' . mysql\_error());

}

mysql\_select\_db("proj");

$result = mysql\_query($command);

if (!$result)

{

$message = 'ERROR:' . mysql\_error();

return $message;

}

else

{

$i = 0;

echo '<html><body><center><br><br><br><br><h1>Result</h1><hr><table border=1px solid><tr>';

while ($i < mysql\_num\_fields($result))

{

$meta = mysql\_fetch\_field($result, $i);

echo '<td>' . $meta->name . '</td>';

$i = $i + 1;

}

echo '</tr>';

$i = 0;

while ($row = mysql\_fetch\_row($result)) {

echo '<tr>';

$count = count($row);

$y = 0;

while ($y < $count)

{

$c\_row = current($row);

echo '<td>' . $c\_row . '</td>';

next($row);

$y = $y + 1;

}

echo '</tr>';

$i = $i + 1;

}

echo '</table></center></body></html>';

//mysql\_free\_result($result);

}

mysql\_close ($conn);

?>

**4.2.4 Main Page:**

<html>

<head>

<title>Cricket Database</title>

<style>

ul li{

list-style:none;

}

a:link{

color:blue;

}

a:visited{

color:blue;

}

a:hover{

color:orange;

}

a:focus{

color:green;

}

a:active{

color:red;

}

</style>

</head>

<body style="margin:0px;padding:0px;">

<div id="wrapper" style="width:100%;height:100%;">

<div id="header" style="width:100%; height:20%;float:left;background-image: url('top.jpg');" >

<a href="index.html" style="float:right;">SignOut </a>

<center><h1 style="color:rgb(10, 235, 111);font-size:40px;"><br>Cricket Database</h1></center>

</div>

<div id="container" style=" width:39%; height:70%; float:left;background-image: url('bk2.jpg'); ;text-align:center;">

<h2>About</h2>

<p>This project displays the database </p>

<h3>Select Table To Retrieve</h3>

<ul>

<li><a href="coach.html" target="target">Coach</a></li>

<li><a href="players.html" target="target">Players</a></li>

<li><a href="team.html" target="target">Team</a></li>

<li><a href="plays.html" target="target">Plays</a></li>

<li><a href="matches.html" target="target">Matches</a></li>

<li><a href="scoreboard.html" target="target">Scoreboard</a></li>

<li><a href="umpire.html" target="target">Umpire</a></li>

<li><a href="umpiring.html" target="target">Umpiring</a></li>

</ul>

<!--<h3>To Retrieve Selected Columns OR To Execute Join and Various operations <a href="global.html" target="target">Click here</a></h3>

--></div>

<div id="target" style="width:60%;height:70%; float:left; background-image: url('bat.jpg');">

<iframe name="target" src="default2.html" style="width:100%;height:100%;"></iframe>

</div>

<div style="width:100%;height:10%;">

<img src="footer.jpg" style="width:100%;height:100%;">

</div> </div>

</body> </html>