**Setting up a validation system for a field using AJAX and mySQL**

**Search.inc.php**

<?php

if(@mysql\_connect('localhost','root','')){

if(@mysql\_select\_db('db\_afterhours')){

if(isset($\_GET['search\_text'])){

$a=$\_GET['search\_text'];

}

$query="SELECT \* FROM tbl\_users WHERE register = '".$a."'%";

$query\_run=mysql\_query($query);

$num\_rows = mysql\_num\_rows($query\_run);

if($num\_rows > 0){

echo 'yes';

}

else

echo ' no';

}

}

?>

**Checkfield.php**

<html>

<head>

<script>

function val()

{

var xmlhttp;

if (window.XMLHttpRequest)

{

xmlhttp=new XMLHttpRequest();

}

xmlhttp.onreadystatechange=function()

{

if (xmlhttp.readyState==4 && xmlhttp.status==200)

{

document.getElementById("results").innerHTML=xmlhttp.responseText;

}

}

xmlhttp.open("GET","search.inc.php?search\_text="+document.getElementById('keyword').value,true);

xmlhttp.send();

}

</script>

</head>

<body>

<input type="text" id="keyword" onblur="val();">

<div id="results" style="color=red;"></div>

</body>

</html>

Metrics Used

1. KLOC :0.4
2. Error Density = Total no of errors/KLOC

= 0/0.4

=0

1. MTBF : (Total up time – Total down time)/No of failures

=24-0.5/2

=11.75 hours

1. MTTR = 1hour

**Setting up a validation system for a field using Javascript**

<html>

<head>

<script>

function validate()

{

var n=document.getElementById("name").value;

if(n=='arjun')

alert("||");

else

alert("//");

}

</script>

</head>

<body>

<input type="text" id="name" >

<button type="button" onclick="validate()">Check</button>

</body>

</html>

Metrics Used

1. KLOC :0.018
2. Error Density = Total no of errors/KLOC

= 0/0.018

1. MTBF : (Total up time – Total down time)/No of failures

=24-0.16/1

=23.84 hours

1. MTTR = 10mins