

Sprint-4

Date	16 November 2022
Team ID	PNT2022TMID09925
Project Name	Signs with Smart Connectivity for Better Road Safety.

Sprint Goals :

Objective :

Signs with smart connectivity for Better road safety

>> To replace the static signboards, smart connected sign boards are used.

>> These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.

>> Based on the weather changes the speed may increase or decrease.

>> Based on the traffic and fatal situations the diversion signs are displayed.

>> Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly.

>> Different modes of operations can be selected with the help of buttons.

Code for Registration:

```
<!DOCTYPE html>
<html>
<head>
<style> body
{
background-image :
url('https://media.istockphoto.com/id/1045979216/photo/carsmoving-on-the-road-in-city-in-lateevening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M='); background-repeat : no-repeat; background-attachment : fixed; background-size : 100% 100%;
}
```

```
</style>  
<base target = "_top">
```

```

<script> function AddRow()
{ var usernamee = document.getElementById("usernamee").value; var passwordd
= document.getElementById("password").value; var email =
document.getElementById("email").value; var phone =
document.getElementById("phone").value;
if(usernamee==" "||passwordd==" "||email==" "||phone==" ")
{ return
false;
} else {
google.script.run.AddRecord(usernamee,passwordd,email,phone);
document.getElementById("page2_id1").className="page2_id1-off";
document.getElementById("page3_id1").className="page3_id1";
} } function
LoginUser()
{ var username = document.getElementById("username").value; var password
= document.getElementById("password").value;
google.script.run.withSuccessHandler(function(output)
{ if(output=='TRUE')
{ var url1 = 'https://node-red-rvfut-2022-11-
14.ausyd.mybluemix.net/ui/#!/0?socketid=JLD6EHF2qFu7b4rPA
AAx';
var winRef = window.open(url1); winRef?google.script.host.close()
:window.onload=function()
{ document.getElementById('url1').href=url1;
} } else
if(output=='FALSE')
{ document.getElementById("errorMessage").innerHTML="Invaliddata";
}
}).checkLogin(username,password);
} function
function1()
{
document.getElementById("page1_id1").className="page1_class1-off";
document.getElementById("page2_id1").className="page2_id1";
} function
function2()

```



```

{ document.getElementById("page2_id1").className="page2_id1-
off";
document.getElementById("page3_id1").className="page3_id1";
} function
function3()
{ document.getElementById("page3_id1").className="page3_id1-
off";
document.getElementById("page1_id1").className="page1_id1"; }
</script>
<style>
/*page1*/
.page1_class1-off
{ display :
none;
}
/*page2*/
.page2_class1
{ display :
none;
}
.page2_id1-off
{ display :
none;
}
/*page3*/
.page3_class1
{ display :
none;
}
.page3_id1-off
{ display :
none;
} input[type=text] :
hover
{
border-bottom : 2px solidblack;
} input[type=number] :
hover
{
border-bottom : 2px solidblack;
} input[type=password] :
hover
{ border-bottom : 2px
solidblack;

```

```

}
</style>
<meta name="viewport" content="width=device-width,initial-scale=1.0"> </head>
<body><center><h1>Signs with smart connectivity for better road safety</h1>
</center><br><br>
<!--page1-->
<center>
<div class="page1_class1" id="page1_id1" style="background-image:
url('https://media.istockphoto.com/id/1045979216/photo/cars-moving-on-the-roadin-
city-in-
lateevening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M=
');border:1px solid gray;border-radius: 20px;width:
250px;paddingtop:10px;padding-bottom: 20px;padding- left:20px;padding-right:
20px;"> <h1>Login</h1>
<input type="text" id="username" placeholder=" Enter the Username"
style="outline: none;border-top: none;border-right: none;border-left:
none;fontalign:centre;text-transform: none;font:monospace;font-size:1.2em
;border-bottom:
.2rem solid rgba(222, 214, 223, 0.3);margin:1rem
0;height:2rem;font:monospace;width:90%;"/><br>
<input type="password" id="password" placeholder=" Enter the Password"
style="border-top: none;font-align:centre;border-right: none;border-left:
none;margin:1rem 0; height:2rem;font-size: 1.2rem;border-bottom: .2rem solid
rgba(222, 214, 223, 0.3);text-transform: none; outline:
none;font:monospace;width:90%;"/>
<br><span id="errorMessage" style="color:red"></span><br>
<input type="submit" class="button" value="Login" onclick="LoginUser()"
style="float: centre;padding-top: 1px;padding-bottom: 1px;padding-left:
10px;padding-right: 10px;font-size: 1.2em;"/><br><br><br><br>
<b>If you don't have an account.,</b>
<input type="button" onClick="function1()" value="Register"
style="margin-top:10px;font- weight:bold;"/>
</div>
<!--page2-->
<div class="page2_class1" id="page2_id1" style="background-image:
url('https://media.istockphoto.com/id/1045979216/photo/cars-moving-on-the-roadin-
city-in-late-
evening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M=
');border:1px solid gray;border-radius: 20px;width:
250px;paddingtop:10px;padding-bottom: 20px;padding- left:20px;padding-right:
20px;">
<h1>Register</h1>
<input type="text" id="usernamee" placeholder=" Enter the Name" style="outline:

```

```
none;border-top: none;border-right: none;border-left: none;fontalign:centre;text-  
transform: none;font:monospace;font-size:1.2em ;border-bottom:
```

```
.2rem solid rgba(222, 214, 223, 0.3);margin:1rem
```

```

0;height:2rem;font:monospace;width:90%;"/><br>
<input type="password" id="passwordd" placeholder=" Enter the Password"
style=";outline: none;border-top: none;border-right: none;border-left:
none;fontalign:centre;text- transform: none;font:monospace;font-size:1.2em
;border-bottom:
.2rem solid rgba(222, 214, 223, 0.3);margin:1rem
0;height:2rem;font:monospace;width:90%;"/><br> <input type="text" id="email"
placeholder=" Enter the Email" style=";outline:
none;border-top: none;border-right: none;border-left: none;fontalign:centre;text-
transform: none;font:monospace;font-size:1.2em ;border-bottom:
.2rem solid rgba(222, 214, 223, 0.3);margin:1rem
0;height:2rem;font:monospace;width:90%;"/><br><br><br>
<input type="submit" value="Create" onClick="function2()" style="float:
centre;padding-top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right:
10px;font-size: 1.2em;"/><br><br>
</div>
<!--page3-->
<div class="page3_class1" id="page3_id1" style="background-image:
url('https://media.istockphoto.com/id/1045979216/photo/cars-moving-on-the-roadin-
city-in-
lateevening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9P
W6M=
');border:1px solid gray;border-radius: 20px;width:
250px;paddingtop:10px;padding-bottom: 20px;padding- left:20px;padding-right:
20px;">
<center><h2>Thank you for registered !!<br><br></h2></center> <input
type="submit" onClick="function3()" value="Login" style="float: centre;padding-
top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right:
10px;font-size: 1.2em;"/><br><br>
</div>
</center>
</body>
</html>

```

CODE.GS:

```

function doGet(e)
{
var x = HtmlService.createTemplateFromFile("index.html"); var y = x.evaluate();
var z =
y.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL);
return z;

```



```

}
function checkLogin(username, password)
{ var url
=
'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIh
BEeY74aQl0o/edit#gid=';
var ss = SpreadsheetApp.openByUrl(url);
var webAppSheet = ss.getSheetByName("DATA"); var getLastRow =
webAppSheet.getLastRow(); var found_record=""; for(var
i=1;i<=getLastRow;i++)
{
if(webAppSheet.getRange(i,1).getValue().toUpperCase() ==
username.toUpperCase() &&
webAppSheet.getRange(i,2).getValue().toUpperCase()==password.toUpperCase())
{
found_record='TRUE';
} }
if(found_record=="")
{
found_record='FALSE';
}
return found_record;
}
function AddRecord(usernamee,passwordd,email,phone)
{ var url
=
'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIh
BEeY74aQl0o/edit#gid=0'; var ss =
SpreadsheetApp.openByUrl(url); var webAppSheet =
ss.getSheetByName("DATA");
webAppSheet.appendRow([usernamee,passwordd,email,phone]);
}

```

VISUAL STUDIO:

```
login.html - Visual Studio Code
File Edit Selection View Go Run Terminal Help
login.html 9+ INDEX.HTML 9+ code.gs
C:\Users\ELCOT\Documents\NANDHINI> login.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style> body
5 {
6 background-image : url('https://media.istockphoto.com/id/1045979216/photo/cars-moving-on-the-road-in-city-in-late-evening.jpg?b=1&s=170667a&w=0&k=');
7 background-repeat : no-repeat; background-attachment : fixed; background-size : 100% 100%;
8 }
9 </style>
10 <base target = "_top">
11 <script> function AddRow()
12 {
13 var username = document.getElementById("username").value; var passwordd = document.getElementById("password").value; var email = document.getEl
14 var phone = document.getElementById("phone").value; if(username=="||passwordd=="||email=="||phone=="")
15 {
16 return false;
17 }
18 else
19 {
20 google.script.run.AddRecord(username,passwordd,email,phone);
21 document.getElementById("page2_id1").className="page2_id1-off"; document.getElementById("page3_id1").className="page3_id1";
22 }
23 }
24 function LoginUser()
25 {
26 var username = document.getElementById("username").value; var password = document.getElementById("password").value; google.script.run.withSuccess
27 {
28 if(output=="TRUE")
29 {
30 var url1 = 'https://node-red-rvfut-2022-11-14.au-syd.mybluemix.net/ui/#!/0?socketid=3LD6EHF2qFu7b4rPAAAx';
31 var winRef = window.open(url1); winRef?google.script.host.close() : window.onload=function()
32 {
33 document.getElementById("url1").href=url1;
34 }
35 }
36 }
37 }
38 }
39 }
39 158 10 Ln 9, Col 9 Spaces: 4 UTF-8 CRLF HTML 16:22 16-11-2022
```

```
code.gs - Visual Studio Code
File Edit Selection View Go Run Terminal Help
login.html 9+ INDEX.HTML 9+ code.gs
C:\Users\ELCOT\Documents\NANDHINI> code.gs
1 function doGet(e)
2 {
3 var x = HtmlService.createTemplateFromFile("index.html"); var y = x.evaluate();
4 var z = y.setFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL); return z;
5 }
6 function checkLogin(username, password)
7 {
8 var url = 'https://docs.google.com/spreadsheets/d/1IB2nLiVrCbq71P047pnyj9_zDXDoRsIhBEeY74aQl0o/edit#gid=';
9 var ss = SpreadsheetApp.openByUrl(url);
10 var webAppSheet = ss.getSheetByName("DATA"); var getLastRow = webAppSheet.getLastRow(); var found_record='';
11 for(var i=1;i<getLastRow;i++)
12 {
13 if(webAppSheet.getRange(i,1).getValue().toUpperCase() == username.toUpperCase() &&
14 webAppSheet.getRange(i,2).getValue().toUpperCase()==password.toUpperCase())
15 {
16 found_record='TRUE';
17 }
18 }
19 if(found_record=='')
20 {
21 found_record='FALSE';
22 }
23 return found_record;
24 }
25 function AddRecord(username,passwordd,email,phone)
26 {
27 var url = 'https://docs.google.com/spreadsheets/d/1IB2nLiVrCbq71P047pnyj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0';
28 var ss = SpreadsheetApp.openByUrl(url);
29 var webAppSheet = ss.getSheetByName("DATA"); webAppSheet.appendRow([username,passwordd,email,phone]);
30 }
39 158 10 Ln 14, Col 76 Spaces: 4 UTF-8 CRLF Plain Text 16:22 16-11-2022
```

