

## Sprint-4

Date	16 November 2022
Team ID	PNT2022TMID42771
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/cars-
moving-on-the-road-in-city-in-late-
evening.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.au-
syd.mybluemix.net/ui/#!/0?socketid=JLD6EHF2qFu7b4rPAAAx';
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-road-
in-city-in-late-
evening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M=
');border:1px solid gray;border-radius: 20px;width: 250px;padding-
top: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;font-
align: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-road-
in-city-in-late-
evening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M=
');border:1px solid gray;border-radius: 20px;width: 250px;padding-
top: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;font-
align: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;font-
align: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;font-
align: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-road-
in-city-in-late-
evening.jpg?b=1&s=170667a&w=0&k=20&c=h3kqINCCEIGH8kzii0zR5GHCnBoArdVcXJcvHn9PW6M=
');border:1px solid gray;border-radius: 20px;width: 250px;padding-
top: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;
}

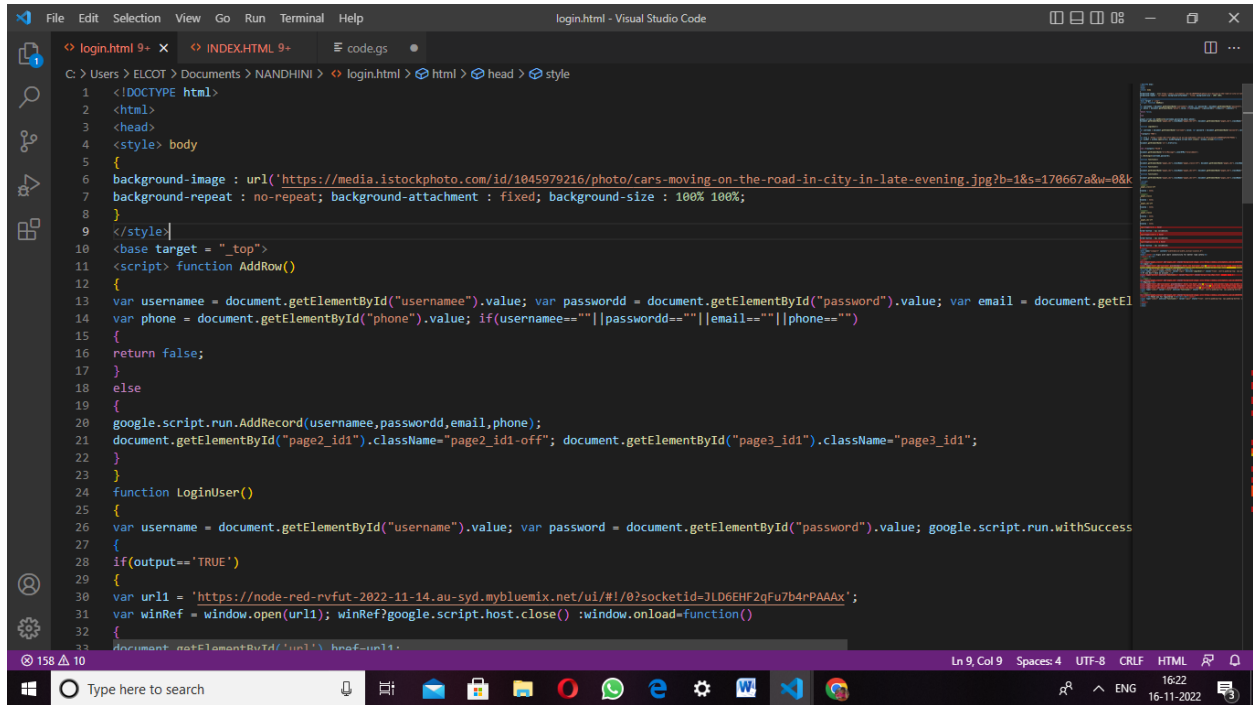
```

```

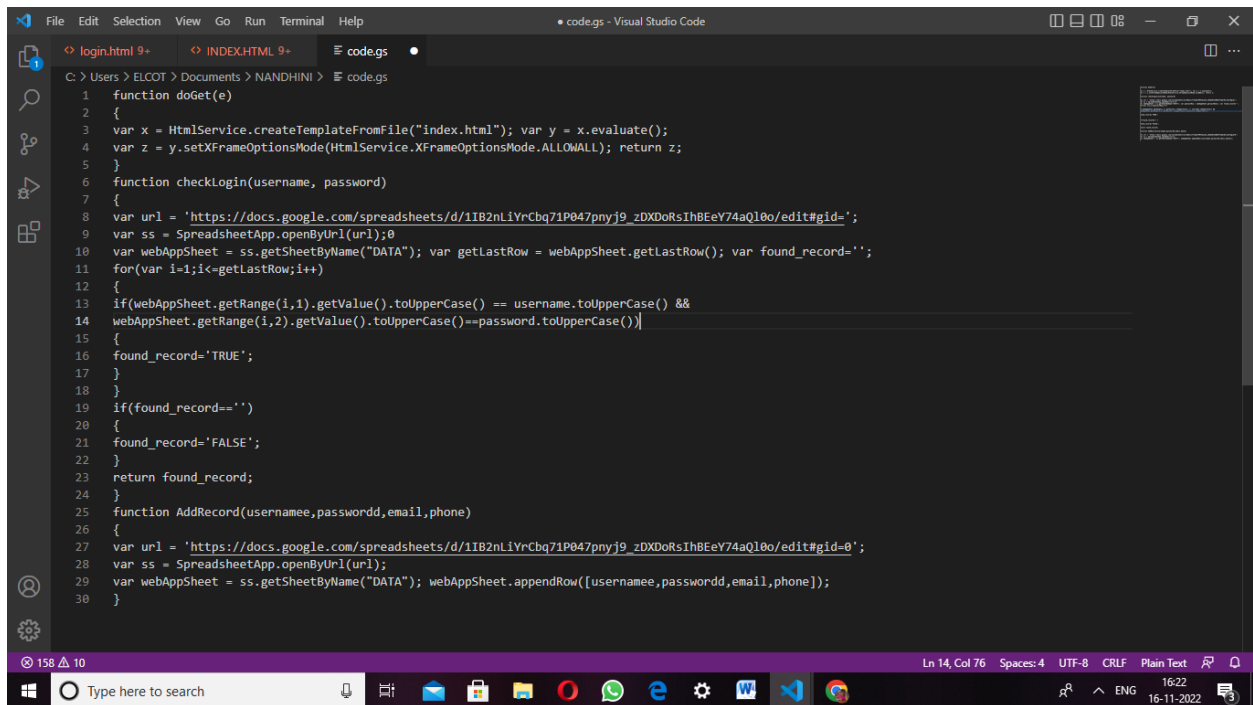
function checkLogin(username, password)
{
var url =
'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIh
BEeY74aQl0o/edit#gid=';
var ss = SpreadsheetApp.openByUrl(url);
var webAppSheet = ss.getSheetByName("DATA"); var getLastRow =
webAppSheet.getLastRow(); var found_record="";
for(var 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:



```
File Edit Selection View Go Run Terminal Help login.html - Visual Studio Code
login.html 9+ INDEX.HTML 9+ code.gs
C:\Users> ELCOT > Documents > NANDHINI > login.html > html > head > style
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 usernamee = document.getElementById("username").value; var passwordd = document.getElementById("password").value; var email = document.getEl
14 var phone = document.getElementById("phone").value; if(usernamee=="||passwordd=="||email=="||phone=="")
15 {
16 return false;
17 }
18 else
19 {
20 google.script.run.AddRecord(usernamee,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=JLD6EHF2qFu7b4rPAAAX';
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 }
Ln 9, Col 9 Spaces: 4 UTF-8 CRLF HTML 16:22 16-11-2022
```



```
File Edit Selection View Go Run Terminal Help code.gs - Visual Studio Code
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.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL); return z;
5 }
6 function checklogin(username, password)
7 {
8 var url = 'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIh8EeY74aQ10o/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(usernamee,passwordd,email,phone)
26 {
27 var url = 'https://docs.google.com/spreadsheets/d/1IB2nLiYrCbq71P047pnyj9_zDXDoRsIh8EeY74aQ10o/edit#gid=0';
28 var ss = SpreadsheetApp.openByUrl(url);
29 var webAppSheet = ss.getSheetByName("DATA"); webAppSheet.appendRow([usernamee,passwordd,email,phone]);
30 }
Ln 14, Col 76 Spaces: 4 UTF-8 CRLF Plain Text 16:22 16-11-2022
```



## OUTPUT IMAGES:

