PROJECT DEVELOPMENT PHASE

SPRINT 4

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TITLE	Signs with Smart Connectivity for Better Road

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 and Login Credentials: (index.html)

```
<!DOCTYPE html>
<html> <head>
<style> body
{
```

```
background-image : url('https://img.freepik.com/premium-
vector/lilacabstract- background 126980-527.jpg?w=996');
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("passwordd").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-vygyh-2022-11-04.au-
```

```
syd.mybluemix.net/ui/#!/0?socketid=kVaDwx144Sp25mOZAAAX';
winRef = window.open(url1); winRef?google.script.host.close()
:window.onload=function()
   document.getElementById('url').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 id1off";
document.getElementById("page3_id1").className="page3_id1";
function function3()
   document.getElementById("page3 id1").className="page3 id1off";
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>
```

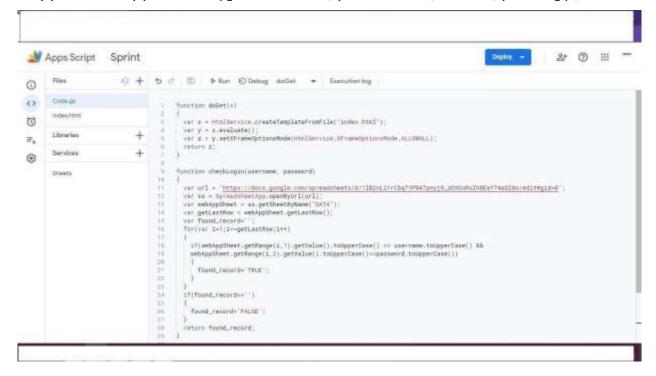
```
<!--page1-->
<center>
<div class="page1 class1" id="page1 id1" style="background-image:</pre>
url('https://media.istockphoto.com/id/1302561463/photo/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxlJNE=');border:1px solid gray;border-radius: 20px;width:
250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 20px;"> <h1>Login</h1>
<input type="text" id="username" placeholder=" Enter the Username"</pre>
style=";outline: none;border-top: none;border-right: none;border-left:
none;font-align:centre;text-transform:
none;font:monospace;fontsize: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;borderleft: 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()"</pre>
style="float: centre;padding-top: 1px;padding-bottom: 1px;padding-left:
<br/><b>If you don't have an account.,</b>
<input type="button" onClick="function1()" value="Register"</pre>
style="margin-top:10px;font- weight:bold;"/>
</div>
<!--page2-->
<div class="page2_class1" id="page2_id1" style="background-image:</pre>
url('https://media.istockphoto.com/id/1302561463/photo/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxlJNE=');border:1px solid gray;border-radius: 20px;width:
```

```
250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 20px;"> <h1>Register</h1>
<input type="text" id="usernamee" placeholder=" Enter the Name"</pre>
style=";outline: none;border-top: none;border-right: none;border-left:
none;font-align:centre;text-transform:
none;font:monospace;fontsize: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"</pre>
                                                        style=";outline:
id="passwordd" placeholder=" Enter the Password"
none;border-top:
                          none;border-right:
                                                       none;border-left:
none; fontalign: centre; text-
                                                              transform:
none;font:monospace;fontsize: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"</pre>
style=";outline: none;border-top: none;border-right: none;border-left:
none;font-align:centre;text-transform:
none; font: monospace; fontsize: 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:</pre>
centre;padding-top: 1px;padding-bottom: 1px;padding-left:
10px;paddingright: 10px;font-size: 1.2em;"/><br><br>
</div>
<!--page3-->
<div class="page3_class1" id="page3_id1" style="background-image:</pre>
url('https://media.istockphoto.com/id/1302561463/photo/holographiciride
scent-background-unicorn- colorful-rainbow-foil-abstractbeautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5eh
hN5sxlJNE=');border:1px solid gray;border-radius: 20px;width:
250px;padding-top:10px;padding-bottom: 20px;padding-
left:20px;paddingright: 20px;">
<center><h2>Thank you for registered !!<br></h2></center>
<input type="submit" onClick="function3()" value="Login" style="float:</pre>
centre;padding-top: 1px;padding-bottom: 1px;padding-left:
10px;paddingright: 10px;font-size: 1.2em;"><br><br><br>
```

```
</div>
</center>
</body>
</html>
(Code.gs)
function doGet(e)
{
                                                                                                                         2+ ⑨ Ⅲ
      M Apps Script Sprint
                          A + 5 @ 10 Execution log
      to
                                            buckground-smape / mri( https://lng.freepik.com/premise-vector/lilar-shutract-background_126988-527,pgg9en09E );
background-repeat / no-repeat;
background-size /1898-1898;
                                          */style=
-bese target = '_top'>
-script>
function ApaRos()
                                          ur usernames = document.getElementById( usernames / value;
var passwordd = document.getElementById( passwordd ) .walue;
var esail = document.getElementById( esail ) .value;
var phone = document.getElementById( esail ) .value;
tf(usernames = " | passwordd = " | esail = " | phone = " )
(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/1IB2nLiYrCbq71P047pn
yj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0'; var ss =
SpreadsheetApp.openByUrl(url);
var webAppSheet = ss.getSheetByName("DATA"); var getLastRow
= webAppSheet.getLastRow(); var found_record=''; for(var
i=1;i<=getLastRow;i++)</pre>
{
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/1IB2nLiYrCbq71P047pn
yj9_zDXDoRsIhBEeY74aQl0o/edit#gid=0';  var ss =
  SpreadsheetApp.openByUrl(url);  var webAppSheet =
  ss.getSheetByName("DATA");
  webAppSheet.appendRow([usernamee,passwordd,email,phone]);
```



Registration and Login Form:

