PROJECT DEVELOPMENT PHASE

SPRINT 4

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DATE	14 NOVEMBER 2022
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=kVaDwx144Sp25m0ZAAAX';
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_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:</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"</pre>
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>
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;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,
<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)
{
                                                                                   Deploy -
                                                                                              왕 ② !!!
  Apps Script Sprint
                  AZ + 5 d 🖺 Execution log
      Files
  ()
                             <!DOCTYPE html>
<html>
                               <style>
                                background-image: url(`https://img.freepik.com/premium-vector/lilac-abstract-background_126980-527.jpg?w=996`); \\ background-repeat: no-repeat; \\ background-attachment: fixed; \\ background-size: 180% 180%; \\
                               <base target = "_top">
                               <script>
function AddRow()
                                var usernamee = document.getElementById("usernamee").value;
var passwordd = document.getElementById("passwordd").value;
var email = document.getElementById("mail").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"
document.getElementById("page3_id1").className="page3_id1"
```

(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]);
                                                               Deploy -
 M Apps Script Sprint
                                                                        2+ ② !!!
              AZ + 5 ♂ 🖥 ▶ Run Ŋ Debug doGet ▼ Execution log
 <>
 0
                      var x = HtmlService.createTemplateFromFile("index.html");
     Libraries
                      var z = v.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL):
                     function checkLogin(username, password)
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26
                       found_record='TRUE';
                      if(found_record=='')
                       found_record='FALSE':
                      return found_record;
```

Registration and Login Form:



