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Project Development Phase

Project Development Delivery of Sprint 2

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Team ID	PNT2022TMID41963
Project Name	Project - Signs with smart connectivity for Better road safety
Marks	8 Marks

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<u>Signs with smart connectivity for Better road safety</u>

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Objective:

>> 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)

```html
<!DOCTYPE html>
<html>
  <head> <style> body
    { 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 : 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.ausyd.mybluemix.net/ui/#!/0?socketid=kVaDwxl44Sp25mOZAAAX';   var   winRef   =
window.open(url1); winRef?google.script.host.close() :window.onload=function()
         { document.getElementById('url').href=url1; }
```

```html
        } 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/1302561463/photo/holographic-iridescent-background-unicorncolorful-rainbow-foil-abstract-
beautifulrainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sxlJNE=');border:1px solid
gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;paddingleft: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:
```
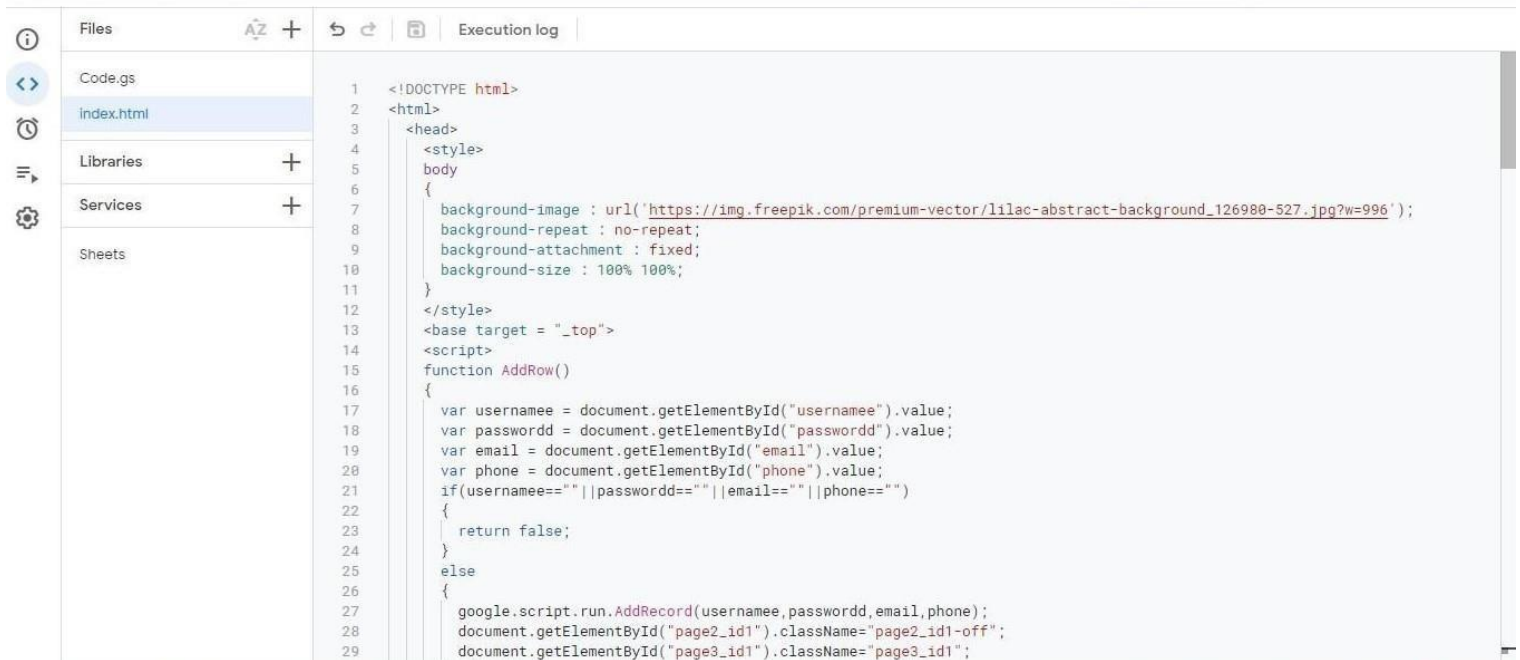
```html
1.2em;"/><br><br><br><br>
          <b>If you don't have an account.,</b>
          <input type="button" onClick="function1()" value="Register" style="margin-top:10px;fontweight:bold;"/>
                </div>
                <!--page2-->
                <div class="page2_class1" id="page2_id1" style="background-image:
url('https://media.istockphoto.com/id/1302561463/photo/holographic-iridescent-background-unicorncolorful-rainbow-foil-abstract-
beautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sxlJNE=');border:1px solid
gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;paddingleft: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;texttransform:
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" 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/1302561463/photo/holographic-iridescent-background-unicorncolorful-rainbow-foil-abstract-
beautiful-
rainbow.jpg?b=1&s=170667a&w=0&k=20&c=BXTMLyLQNIqvm2od1KerrL5hPVHbjBf5ehhN5sxlJNE=');border:1px solid
gray;border-radius: 20px;width: 250px;padding-top:10px;padding-bottom: 20px;paddingleft: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>
```

```
1   <!DOCTYPE html>
2   <html>
3     <head>
4       <style>
5       body
6       {
7         background-image : url('https://img.freepik.com/premium-vector/lilac-abstract-background_126980-527.jpg?w=996');
8         background-repeat : no-repeat;
9         background-attachment : fixed;
10        background-size : 100% 100%;
11      }
12      </style>
13      <base target = "_top">
14      <script>
15      function AddRow()
16      {
17        var usernamee = document.getElementById("usernamee").value;
18        var passwordd = document.getElementById("passwordd").value;
19        var email = document.getElementById("email").value;
20        var phone = document.getElementById("phone").value;
21        if(usernamee==""||passwordd==""||email==""||phone=="")
22        {
23          return false;
24        }
25        else
26        {
27          google.script.run.AddRecord(usernamee,passwordd,email,phone);
28          document.getElementById("page2_id1").className="page2_id1-off";
29          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/1IB2nLiYrCbq71P047pnyj9_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++)
          { 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_zDXDoRsIhBEeY74aQl0o/edit#gid=0';       var       ss       =
  SpreadsheetApp.openByUrl(url);        var       webAppSheet       =       ss.getSheetByName("DATA");
  webAppSheet.appendRow([usernamee,passwordd,email,phone])
```