

SPRINT - 1

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|--------------|---|
| Date | 29 October 2022 |
| Team ID | PNT2022TMID48570 |
| Project Name | Smart Waste Management System for Metropolitan Cities |

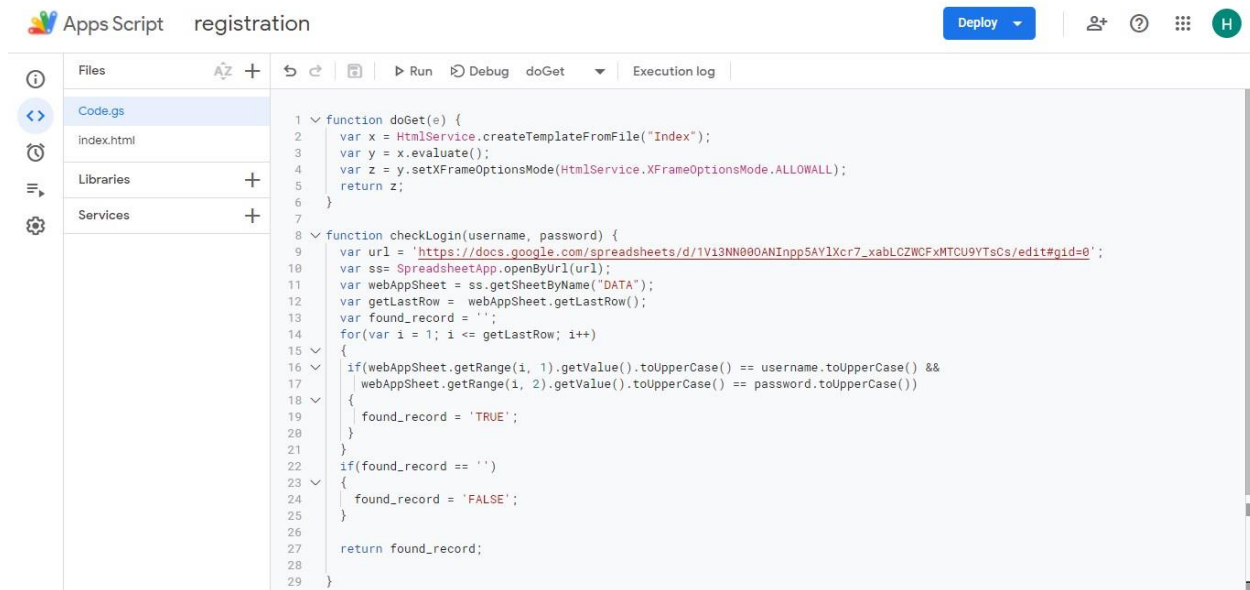
OBJECTIVE:

A 24×7 monitoring system is designed for monitoring dumpsters. The ultrasonic sensor is used for measuring the level of waste in the dustbin. The DC motor powered platform is used for segregating wet and dry waste. The IR sensor and moisture sensor is used for separating wet and dry waste. If either of the containers is full then an alert message is sent from the dustbin to garbage collector and the cloud. In turn, based on the allotment garbage collector can clear the corresponding dumpster.

CODE FOR REGISTRATION AND LOGIN CREDENTIALS:

Code.gs:

```
function doGet(e) {  var x =
HtmlService.createTemplateFromFile("Index");  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/1Vi3NN000ANInpp5AYlXcr7_xabLCZWCFxMTCU9YTsc
s/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(usernameee, passwordd, email, phone) {  var url =
'https://docs.google.com/spreadsheets/d/1Vi3NN000ANInpp5AYlXcr7_xabLCZWCFxMTCU9YTsc
s/edit#gid=0';  var ss= SpreadsheetApp.openByUrl(url);  var webAppSheet =
ss.getSheetByName("DATA");  webAppSheet.appendRow([usernameee,passwordd,email,phone]);
}
```



index.html:

```

<!DOCTYPE html>
<html>
  <head>
    <style>
      body{
background-image:url('background.jpg');
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-jrfhu-2022-10-
06.eugb.mybluemix.net/ui/#!/0?socketid=kVaDwx144Sp25mOZAAAX';
      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 =
"Invalid data";          }
    }).checkLogin(username, password);
    }          function function1(){
document.getElementById("page1_id1").className = "page1_class1-off";
document.getElementById("page2_id1").className = "page2_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 solid black;
    } input[type=number]:hover{
border-bottom:2px solid black;
    } input[type=password]:hover{
    border-bottom:2px solid black;
    }
}

</style>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
    <br><br>
<!--page1-->
<center>

```

```

<div class="page1_class1" id="page1_id1" style="backgroundcolor:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;paddingtop: 10px;padding-
bottom: 20px;padding-left: 20px;padding-right: 20px;">
    <h1>Login Here</h1>
    <br>
    <p>Username</p>
    <input type="text" id="username" placeholder=" Enter Username" style=";outline: none;
textalign: center;font-size:0.9em ;width: 50%;font-weight:bold;"/><br>
    <br>
    <p>Password</p>    <input type="password" id="password" placeholder=" Enter
Password" style="bordertop: none;border-right: none;border-left: none;outline: none;
text-align: center;fontsize:0.9em ;width: 50%;font-weight:bold;"/>
    <br><span id="errorMessage" style="color: red" ></span><br>
    <br>
    <input type="submit" value="Login" onclick="LoginUser()" style="float: centre;paddingtop:
1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
0.9em;fontweight:bold;" /><br>
    <br><br>
    <b>If you don't have an account,</b><input type="button" onClick="function1()" value="Creat
e New" style="margin-top: 5px;font-weight:bold;" />
</div>

```

```

<!--page2-->
<div class="page2_class1" id="page2_id1" style="backgroundcolor:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;paddingtop: 10px;padding-
bottom: 20px;padding-left: 20px;padding-right: 20px;">
    <h1>Register Here</h1>
    <p>Name</p>
    <input type="text" id="usernamee" placeholder=" Enter Name" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;"/><br>
    <br>
    <p>Password</p>
    <input type="password" id="passwordd" placeholder="Create password" style="bordertop:
none;border-right: none;border-left: none;outline: none; text-align: center;fontsize:
0.9;width: 50%;font-weight:bold;" /><br>
    <br>
    <p>Email</p>
    <input type="text" id="email" placeholder=" Enter Email" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;"/><br>    <br>
    <p>Phone Number</p>
    <input type="number" id="phone" placeholder="Enter number" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;fontsize:0.9em
;width: 50%;font-weight:bold;" /><br><br>
    <br><br>
    <input type="submit" value="Create" onclick="AddRow()" style="float: centre;paddingtop:
1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size:
0.9em;fontweight:bold;" />
    <br>
</div>

```

```

<!--page3-->

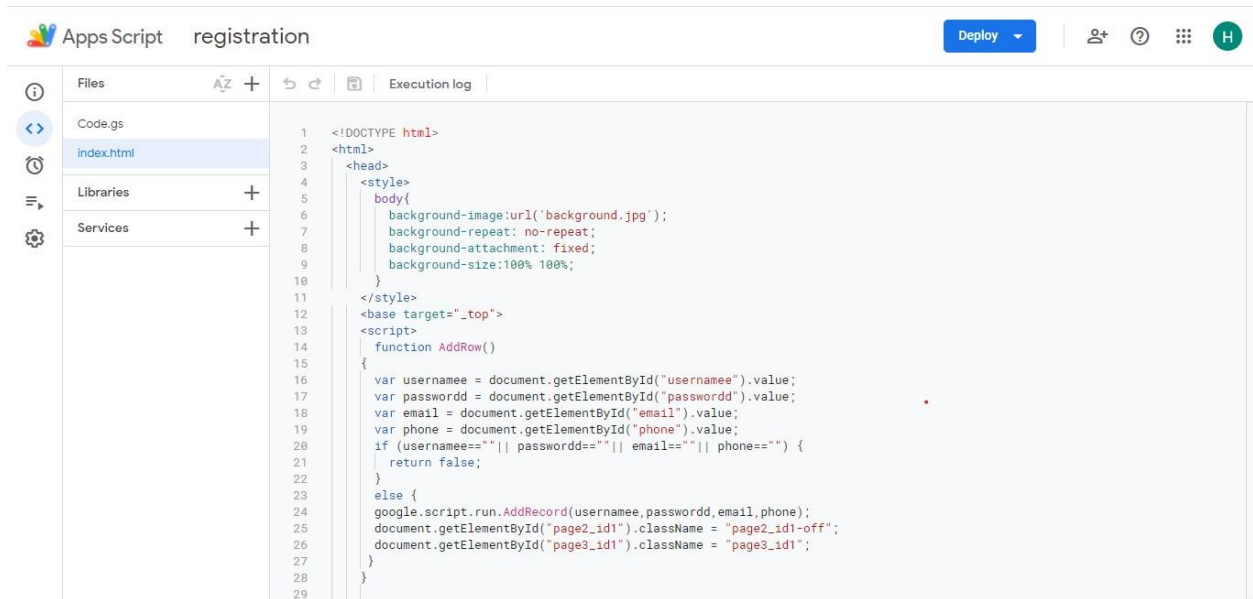
```

```

<div class="page3_class1" id="page3_id1" style="background:none;border:2px solid
gray;borderradius: 20px;width: 250px;padding-top: 10px;padding-bottom: 20px;padding-left:
20px;paddingright: 20px;"><center>
  <h2> REGISTRATION SUCCESSFUL! Login to your account</h2>
  <input type="submit" onClick="function3()" value="Login" style="font-weight:bold;"><br>
</div>

</center>
</body>
</html>

```



REGISTRATION AND LOGIN FORM:

Login Here

Username

Password

If you don't have an account,

Register Here

Name

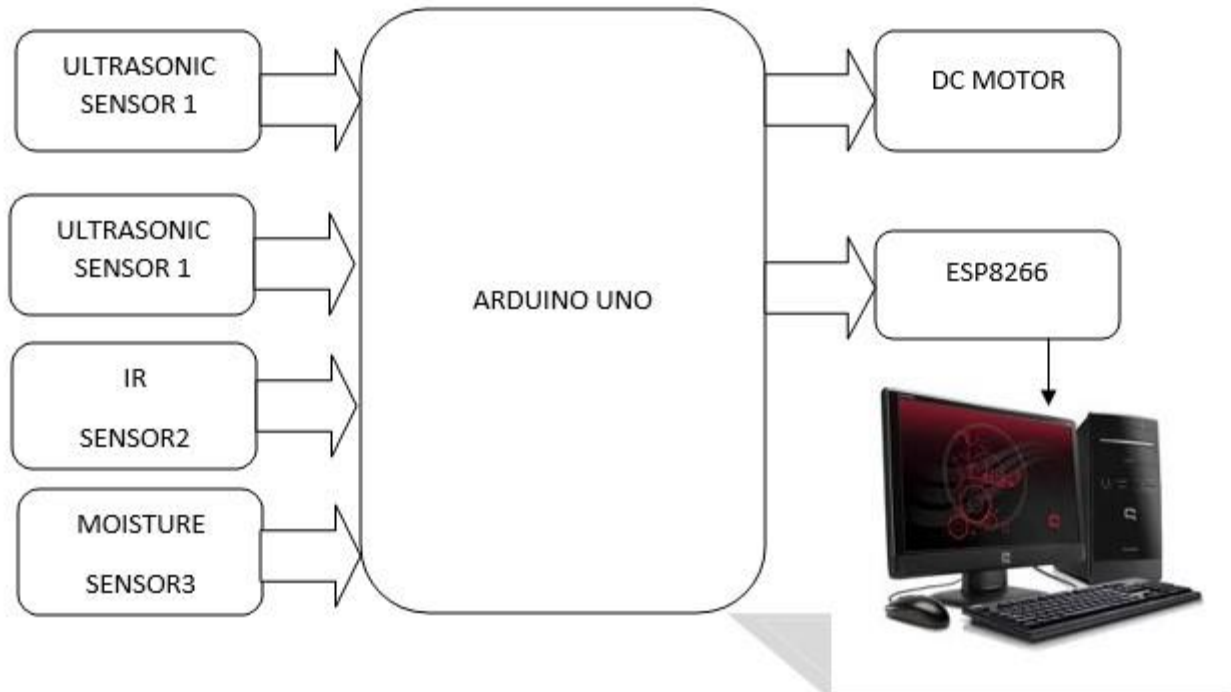
Password

Email

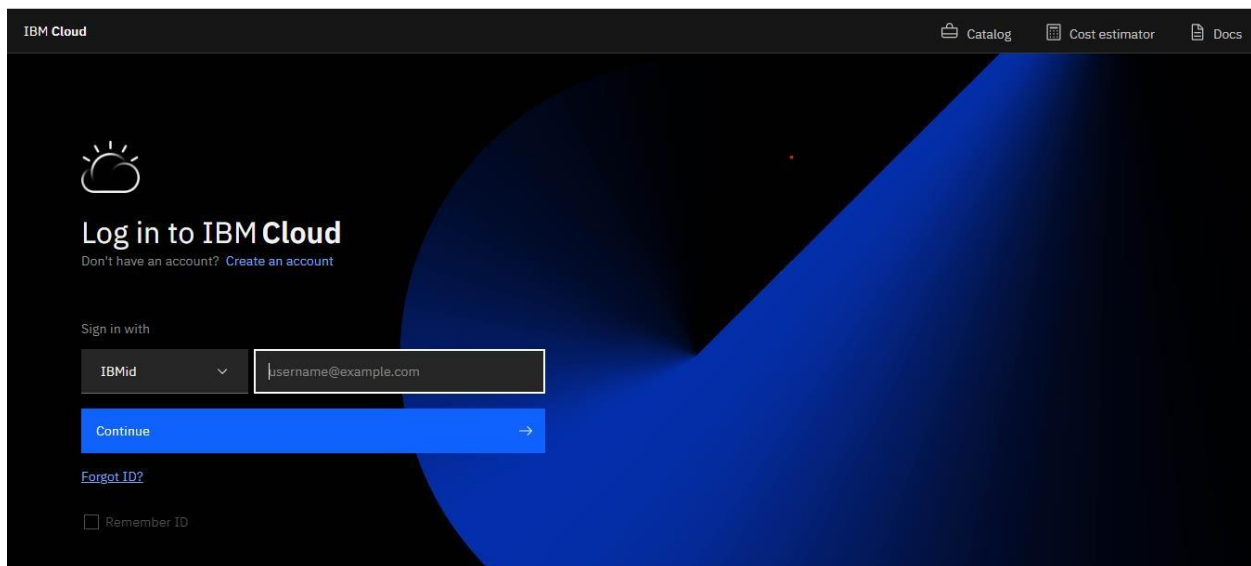
Phone Number

**REGISTRATION
SUCCESSFUL! Login
to your account**

CIRCUIT DIAGRAM:



IBM CLOUD REGISTRATION:



IBM Cloud

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Dashboard

Edit dashboard

Upgrade account

Create resource

For you

Select an option

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Set up your IBM Cloud account

Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources.

Getting started

10 min

Use Speech to Text

Easily convert the human voice into the written word for voice control, transcription, etc. with Speech to Text.

Popular

2 min

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started

7 min

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started

15 min

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Getting started

User access

Manage users

Enter email addresses below to jump directly into the invite user setup:

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Planned maintenance

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Containers (9)

Networking (30)

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AI / Machine Learning (17)

Analytics (10)

Blockchain (1)

Databases (28)

Developer tools (25)

Logging and monitoring (3)

Migration (8)

Integration (10)

Internet of Things (1)

Security (25)

Mobile (1)

Analytics Engine

By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

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AnonTech VizVault Platform

By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using VizVault

Lite • Free • HIPAA Enabled • IAM-enabled • Third party supported

API Connect

By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises...

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App Configuration

By IBM

Centralized, in-flight configuration for web and mobile applications and distributed environments.

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App Connect

By IBM

Connect your applications, automate tasks, and improve productivity

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By IBM

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Public

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Cloud Foundry in the IBM Cloud

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Create and deploy apps on IBM Cloud's multi-tenant Cloud Foundry enviroment available in 5 IBM Cloud Regions. Get started in minutes by deploying your applications, and let IBM Cloud manage them for you.

IBM Cloud Foundry Public is being deprecated. Please see full details.

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Cloud Native Storage and Data Service

Robin Cloud Native Storage and Data Service is a high-performance Storage and Data Management solution for your Stateful Applications on IBM Cloud IKS.

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Type
Service

Provider
Robin.io

Last updated
10/11/2022

Category
Storage

Compliance
IAM-enabled

Location
Frankfurt
Dallas

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Frankfurt (eu-de)

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Location: Frankfurt

Plan: Hourly Pay-as-you-go

Service name: Cloud Native Storage and Data Service-4s

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