

SPRINT - 1

Date	11 November 2022
Team ID	PNT2022TMID13627
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/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';
  }

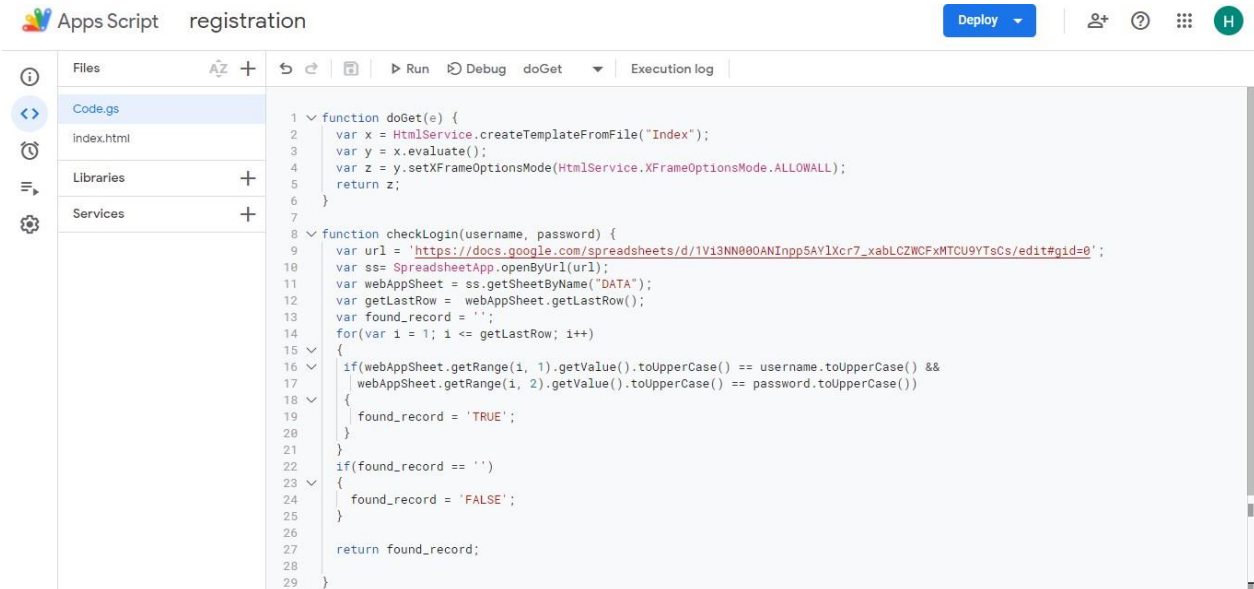
  return found_record;
}
```

```

}

function AddRecord(usernamee, passwordd, email, phone) {
  var url = 'https://docs.google.com/spreadsheets/d/1Vi3NN000ANInpp5AY1Xcr7_xabLCZWCFxMTCU9YTscs/edit#gid=0';
  var ss= SpreadsheetApp.openByUrl(url);
  var webAppSheet = ss.getSheetByName("DATA");
  webAppSheet.appendRow([usernamee,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);
        }
      }
    </script>
  </head>
  <body>
    <div>
      <input type="text" id="usernamee"/>
      <input type="password" id="passwordd"/>
      <input type="text" id="email"/>
      <input type="text" id="phone"/>
      <input type="button" value="Add Record" onclick="AddRow()"/>
    </div>
  </body>
</html>

```

```

        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.eu-
gb.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;
}

```




```

<br>
<p>Password</p>
  <input type="password" id="passwordd" placeholder="Create password" style="border-
top: none;border-right: none;border-left: none;outline: none; text-align: center;font-
size: 0.9;width: 50%;font-weight:bold;" /><br>
    <br>
  <p>Email</p>
    <input type="text" id="email" placeholder=" Enter Email" style="border-top: none;border-
right: none;border-left: none;outline: none; text-align: center;font-
size: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;border-
right: none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width: 50%;font-weight:bold;" /><br><br>
    <br><br>
    <input type="submit" value="Create" onclick="AddRow()" style="float: centre;padding-
top: 1px;padding-bottom: 1px;padding-left: 10px;padding-right: 10px;font-size: 0.9em;font-
weight:bold;" />
    <br>
</div>

<!--page3-->
<div class="page3_class1" id="page3_id1" style="background:none;border:2px solid gray;border-
radius: 20px;width: 250px;padding-top: 10px;padding-bottom: 20px;padding-left: 20px;padding-
right: 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>

```


Apps Script
registration
Deploy
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Files

Code.gs

index.html

Libraries

Services

Execution log

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4    <style>
5      body{
6        background-image:url('background.jpg');
7        background-repeat: no-repeat;
8        background-attachment: fixed;
9        background-size:100% 100%;
10     }
11   </style>
12   <base target="_top">
13   <script>
14     function AddRow()
15     {
16       var username = document.getElementById("username").value;
17       var passwordd = document.getElementById("passwordd").value;
18       var email = document.getElementById("email").value;
19       var phone = document.getElementById("phone").value;
20       if (username==" "|| passwordd==" "|| email==" "|| phone==" ") {
21         return false;
22       }
23       else {
24         google.script.run.AddRecord(username,passwordd,email,phone);
25         document.getElementById("page2_id1").className = "page2_id1-off";
26         document.getElementById("page3_id1").className = "page3_id1";
27       }
28     }
29   </script>

```

REGISTRATION AND LOGIN FORM:

Login Here

Username

Password

If you don't have an account,

Register Here

Name

Password

Email

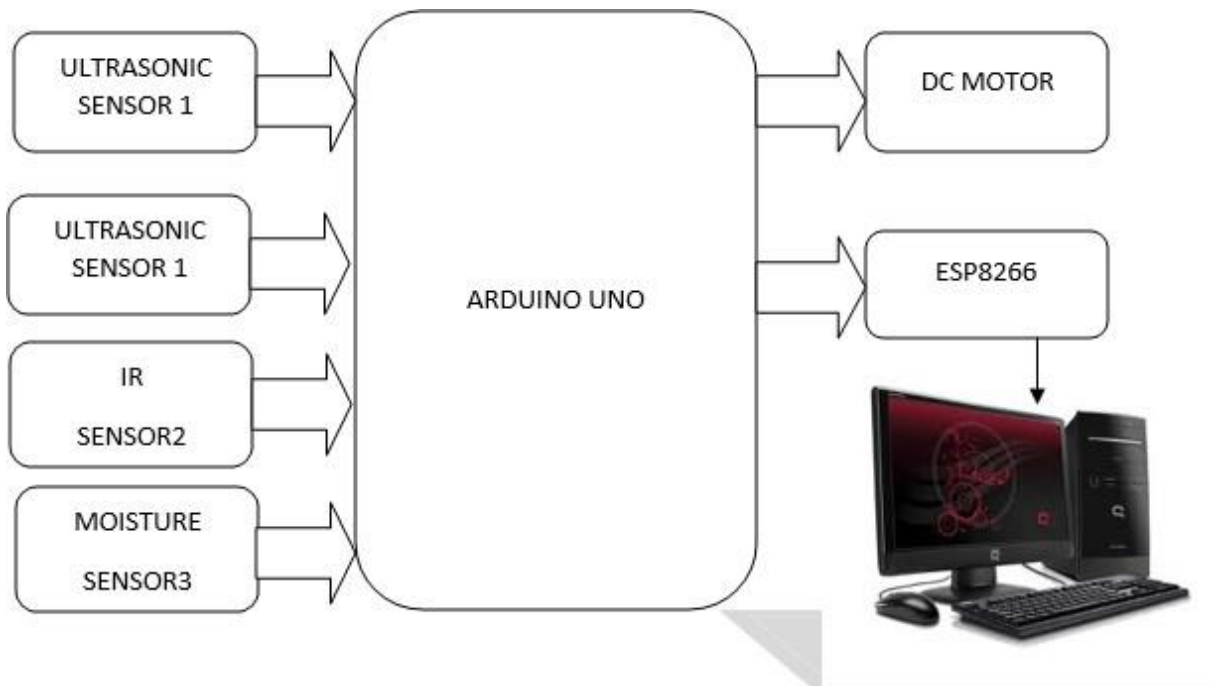
Phone Number

**REGISTRATION
SUCCESSFUL! Login
to your account**

REGISTRATION FORM DATABASE:

	A	B	C	D	
1	Name	Password	Email	Phone number	
2	SARAVANASUDHAN.S	Sudhan@123	littlehacker@gmail.cpm	9876543210	
3	NAVEEN.S	54545	naveen@gmail.com	9786543210	
4	TAMILINIAN.R	tamil	tamil@gmail.com	9087654321	
5	MOHAMEDUMAR.N	90435	umar@gmail.com	8907654321	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

CIRCUIT DIAGRAM:



IBM CLOUD REGISTRATION:

The screenshot shows the IBM Cloud login page in a web browser. The browser's address bar displays 'cloud.ibm.com/login'. The page features the IBM Cloud logo and a large blue abstract graphic. The main heading is 'Log in to IBM Cloud', with a link to 'Create an account' for users who do not have one. Below this, there is a 'Sign in with' section where the user has selected 'IBMId'. The email address '621319106082@smartinternz.com' is entered in the adjacent field. A blue 'Continue' button is positioned below the email field. Links for 'Forgot ID?' and a 'Remember ID' checkbox are also visible. The top navigation bar includes links to 'Catalog', 'Cost estimator', and 'Docs'. The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 14:47 on 11-11-2022.

This screenshot displays the IBM Cloud Dashboard after a successful login. The top navigation bar includes a search bar, 'Catalog', 'Manage', and the user's name 'SARAVANASUDHAN S's...'. A 'Create resource' button is prominently displayed. The main section, titled 'Dashboard', features a 'For you' area with several recommended actions: 'Build' (exploring easy starter tutorials), 'Set up your IBM Cloud account' (10 min), 'Get Started with Watson Studio' (2 hr), 'Build a web app with Watson Speech to Text' (15 min), 'Build a virtual machine' (7 min), and 'Build a Cloud (Upgrade to create protect Cloud)'. Each action includes a 'Getting started' button. Below this, there are sections for 'User access' (with a 'Manage users' link), 'News' (highlighting 'IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco'), and 'Planned maintenance'. The bottom of the page shows the same Windows taskbar as the previous screenshot.

cloud.ibm.com/catalog

IBM Cloud

Search the catalog...

Sell on IBM Cloud Catalog settings

Recommended products (6)

- Compute (30)
- Containers (9)
- Networking (30)
- Storage (20)
- 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)

Analytics Engine
By IBM

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

Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech Vizivault Platform
By Anon Technology, Inc.

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

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-

App Configuration
By IBM

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

Type here to search

14:48 11-11-2022

cloud.ibm.com/cloudfoundry/overview

IBM Cloud

Cloud Foundry

Public

Deploy and run your applications without managing servers or clusters with IBM Cloud Foundry

Cloud Foundry automatically transforms source code into containers, scales them on demand, and manages user access and capacity.

Cloud Foundry in the IBM Cloud

Public Applications

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

Waiting for 684d0d45.akstat.io...

Type here to search

14:51 11-11-2022

