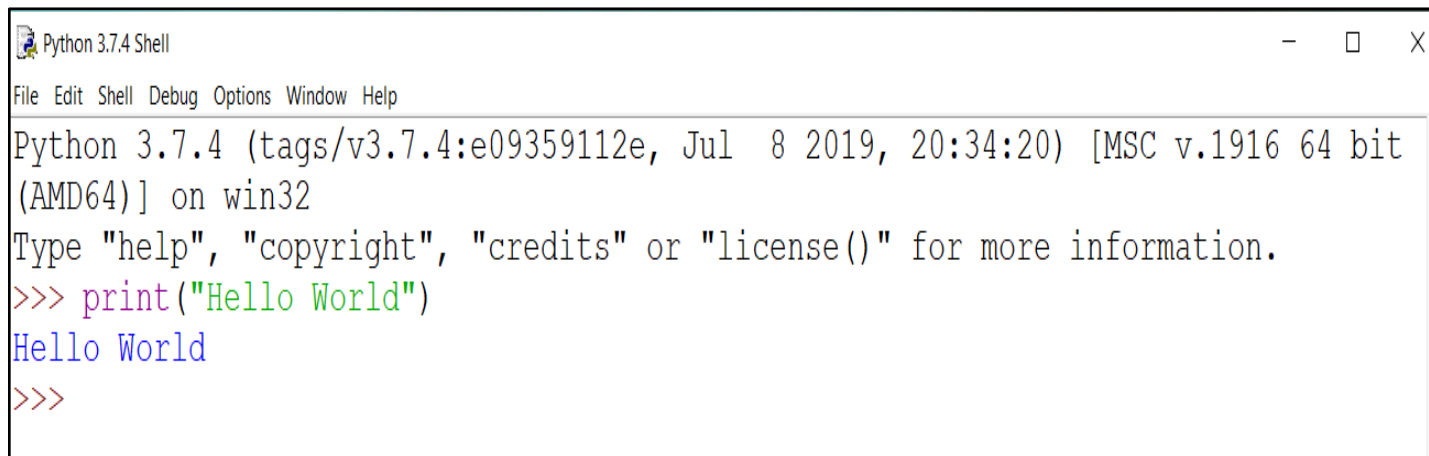


PROJECT DEVELOPMENT PHASE

SPRINT 2

Date	07 November 2022
Team ID	PNT2022TMID35929
Project Name	Real time river water quality monitoring and control system
Teammates	Swetha V Evangeline Divya Sagayee G Divyasree K Brintha J S

INSTALLATION OF PYTHON 3.7.4:



```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("Hello World")
Hello World
>>>
```

CREATING FAST SMS SERVICE:

The screenshot shows the FAST2SMS web interface. The top navigation bar includes the FAST2SMS logo, a balance of ₹55.00, and a button to ADD CREDIT. The left sidebar contains links for Bulk SMS, DLT SMS, Quick SMS, Address Book, Delivery Reports, Transactions, Dev API (selected), Settings, and Help. The main content area has three tabs: Dev API, API Key, and Security. The Dev API tab is active, showing a form for configuring an API endpoint. The form includes a 'Method' dropdown set to 'GET', a 'Route' dropdown set to 'Quick SMS', and a 'Message' input field. A 'Language' dropdown is also present. A 'READ API DOCS' button is located next to the 'Method' dropdown. On the right side of the form, there is a black box containing the following information:

```
GET https://www.fast2sms.com/dev/bulkV2

Query Parameter :

authorization =
kC590DgxtLRMvEzBY2SPrgmWXlaGboinjJKsUuFeQ6T1HVwcZ6X9hl
NDBot5dEsxzcarieL1SPITJF3

route = q
message =
language = "english"
numbers =
flash = "0"

Overall URL = https://www.fast2sms.com/dev/bulkV2?
authorization=kC590DgxtLRMvEzBY2SPrgmWXlaGboinjJKsUuFeQ6
T1HVwcZ6X9hlNDBot5dEsxzcarieL1SPITJF3&route=q&message=&la
nguage=english&flash=0&numbers=
```

TO CREATE AND CONFIGURE IBM CLOUD SERVICES:

The screenshot shows the IBM Cloud Dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and Brintha J S's Account. The main content area is titled 'Dashboard' and features a 'For you' section with several service tiles. The tiles include:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services.
- Create and deploy an application**: Browse our starter kits, and then select one to jump start the process to create and deploy your app. (Getting started, 5 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)
- Get Started with Watson Studio**: Get started with using AI and Cloud Object Storage in 15 minutes. (Popular, 2 hr)
- IBM Watson Knowledge Catalog**: Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform. (Recommended, 2 min)
- Build a Cloud (**: Upgrade to crea protect Cloud. (Getting started, 2 min)

The bottom of the dashboard features a 'User access' section with a 'Manage users' button, a 'News' section with a 'View all' button, and a 'Planned maintenance' section with a 'View' button. A 'Create resource' button is also visible in the top right corner.

IBM Watson IoT Platform

2019504015@smartinternz.com
ID: nzmma2

← Back

Device Drilldown - 1008

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Connection Information

Basic connection information about this device.

Device ID

1008

Device Type

iot

Date Added

3 Nov 2022 18:17

Added By

2019504015@smartinternz.com

Connection Status

Disconnected

Last Connected: 3 Nov 2022 18:24

Client Address: 145.40.94.93 Insecure

Duration: 2 minutes

Data Transferred: 4.7 KB

← Back

Device Drilldown - 1

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Recent Events

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
distance	{"distance":185}	json	a few seconds ago
distance	{"distance":129}	json	a few seconds ago
distance	{"ALERT":40}	json	a few seconds ago
distance	{"ALERT":41}	json	a few seconds ago
distance	{"distance":186}	json	a few seconds ago

State

This table shows a list of data points that are reported by this device.

Showing Raw Data

No Interfaces Available

LOGIN PAGE:

DEVELOPING LOGIN WEBPAGE:

HTML CODE:

```
<!DOCTYPE html>
<html>
<head>
  <h1> Real time water quality monitoring system</h1>
  <metaname="viewport" content="width=device-width, initial-scale=1">
  <style>
body {font-family: Arial,Impact, 'Arial Narrow Bold', sans-serif, sans-serif;}

/* Full-width input fields */
input[type=text], input[type=password] {
  width: 150;
  padding: 23px 24px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

/* Set a style for all buttons */
button {
  background-color: #04AA6D;
  color:blue;
  padding: 15px 21px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 102;
}

button:hover {
  opacity: 0.7;
}

/* Extra styles for the cancel button */
.cancelbtn {
  width: min-content
  padding: 10px 18px;
  background-color: #f4455f
```

```
}
```

```
/* Center the image and position the close button */
```

```
.imgcontainer {  
  text-align: right; ;  
  margin : 24px 0 12px 0;  
  position: relative  
}
```

```
img {water quality monitoring system}  
  width: 56;  
  border-radius: 50%;  
}
```

```
.container {  
  padding: 16px;  
}
```

```
span.psw {  
  float: right;  
  padding-top: 16px;  
}
```

```
/* The Modal (background) */
```

```
.modal {  
  display: none; /* Hidden by default */  
  position: fixed; /* Stay in place */  
  z-index: 1; /* Sit on bottom*/  
  left: 0;  
  top: 0;  
  width: 100%; /* full width */  
  height: 100%; /* medium height */  
  overflow: auto; /* Enable scroll if needed */  
  background-color: ybg(0,0,0); /* Fallback color */  
  background-color: rgba(0,0,0,0.4); /* Black w/ transprenant */  
  padding-top: 60px;  
}
```

```
/* Modal Content/Box */
```

```
.modal-content {  
  background-color: #fefefe;  
  margin: 5% auto 15% auto; /* 5% from the top, 15% from the bottom and centered */  
  border: 1px solid #888;  
  width: 65%; /* Could be more or less, depending on screen size */
```

```
}
```

```
/* The Close Button (x) */
```

```
.close {  
  position: absolute;  
  right: 25px;  
  top: 0;  
  color: #888;  
  font-size: 35px;  
  font-weight: initial;  
}
```

```
.close:hover,  
.close:focus {  
  color: red;  
  cursor: pointer;  
}
```

```
/* Add Zoom Animation */
```

```
.animate {  
  -webkit-animation: animatezoom 0.6s;  
  animation: animatezoom 0.6s  
}
```

```
@-webkit-keyframes animatezoom {  
  from {-webkit-transform: scale(0)}  
  to {-webkit-transform: scale(1)}  
}
```

```
@keyframes animatezoom {  
  from {transform: scale(2)}  
  to {transform: scale(1)}  
}
```

```
/* Change styles for span and cancel button on extra small screens */
```

```
@media screen and (max-width: 300px) {  
  span.psw {  
    display: block;  
    float: none;  
  }  
  .cancelbtn {  
    width: 100%;  
  }  
}
```

```

</style>
</head>
<body>

<h2>Modal Login Form</h2>

<button onclick="document.getElementById('id01').style.display='block'"
style="width:auto;">Login</button>

<div id="id01" class="modal">

  <form class="modal-content animate" action="/action_page.php" method="post">
    <div class="imgcontainer">
      <span onclick="document.getElementById('id01').style.display='none'" class="close"
title="Close Modal">&times;</span>
    </div>

    <div class="container">
      <label for="uname"><b>Username</b></label>
      <input type="text" placeholder="Enter Username" name="uname" required>

      <label for="psw"><b>Password</b></label>
      <input type="password" placeholder="Enter Password" name="psw" required>
      <label for="captcha"></label><123gh@><label>
      <input type="captcha" 123@g="Enter captcha" name="captcha" required>
      <button type="submit">Login</button>
      <label>

      <input type="checkbox" checked="checked" name="remember"> Remember me
    </label>
  </div>

  <div class="container" style="background-color:#f1f1f1">
    <button type="button" onclick="document.getElementById('id01').style.display='none'"
class="cancelbtn">Cancel</button>
    <span class="psw">Forgot <a href="#">password?</a></span>
  </div>
</form>
</div>

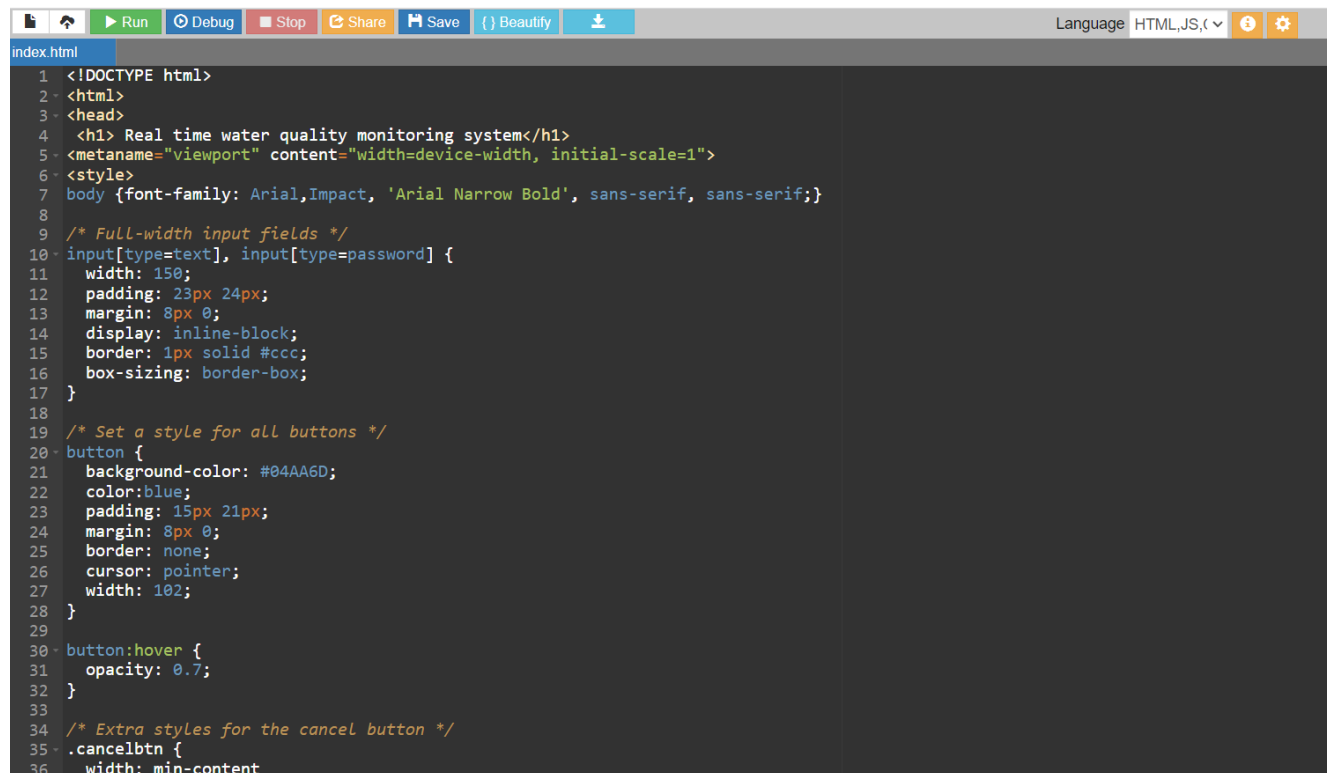
<script>
// Get the modal
var modal = document.getElementById('id03');

```

```
// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal) {
    modal.style.display = "none";
  }
}
</script>

</body>
</html>
```

EXECUTION IN HTML COMPILER:



```
index.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <h1> Real time water quality monitoring system</h1>
5 <metaname="viewport" content="width=device-width, initial-scale=1">
6 <style>
7 body {font-family: Arial,Impact, 'Arial Narrow Bold', sans-serif, sans-serif;}
8
9 /* Full-width input fields */
10 input[type=text], input[type=password] {
11   width: 150;
12   padding: 23px 24px;
13   margin: 8px 0;
14   display: inline-block;
15   border: 1px solid #ccc;
16   box-sizing: border-box;
17 }
18
19 /* Set a style for all buttons */
20 button {
21   background-color: #04AA6D;
22   color:blue;
23   padding: 15px 21px;
24   margin: 8px 0;
25   border: none;
26   cursor: pointer;
27   width: 102;
28 }
29
30 button:hover {
31   opacity: 0.7;
32 }
33
34 /* Extra styles for the cancel button */
35 .cancelbtn {
36   width: min-content
```



```
index.html
37 padding: 10px 18px;
38 background-color: #f4455f;
39 }
40
41 /* Center the image and position the close button */
42 .imgcontainer { }
43 text-align: right; ;;
44 margin : 24px 0 12px 0;
45 position: relative
46 }
47
48 img {water quality monitoring system}
49 width: 56;
50 border-radius: 50%;
51 }
52
53 .container {
54 padding: 16px;
55 }
56
57 span.psw {
58 float: right;
59 padding-top: 16px;
60 }
61
62 /* The Modal (background) */
63 .modal {
64 display: none; /* Hidden by default */
65 position: fixed; /* Stay in place */
66 z-index: 1; /* Sit on bottom*/
67 left: 0;
68 top: 0;
69 width: 100%; /* full width */
70 height: 100%; /* medium height */
71 overflow: auto; /* Enable scroll if needed */
72 background-color: ybg(0,0,0); /* Fallback color */
```

```
index.html
73 background-color: rgba(0,0,0,0.4); /* Black w/ transparent */
74 padding-top: 60px;
75 }
76
77 /* Modal Content/Box */
78 .modal-content {
79 background-color: #fefefe;
80 margin: 5% auto 15% auto; /* 5% from the top, 15% from the bottom and centered */
81 border: 1px solid #888;
82 width: 65%; /* Could be more or less, depending on screen size */
83 }
84
85 /* The Close Button (x) */
86 .close {
87 position: absolute;
88 right: 25px;
89 top: 0;
90 color: #888;
91 font-size: 35px;
92 font-weight: initial;
93 }
94
95 .close:hover,
96 .close:focus {
97 color: red;
98 cursor: pointer;
99 }
100
101 /* Add Zoom Animation */
102 .animate {
103 -webkit-animation: animatezoom 0.6s;
104 animation: animatezoom 0.6s
105 }
106
107 @-webkit-keyframes animatezoom {
108 from {-webkit-transform: scale(0)}
```

```
index.html
108   from {-webkit-transform: scale(0)}
109   to {-webkit-transform: scale(1)}
110 }
111
112 @keyframes animatezoom {
113   from {transform: scale(2)}
114   to {transform: scale(1)}
115 }
116
117 /* Change styles for span and cancel button on extra small screens */
118 @media screen and (max-width: 300px) {
119   span.psw {
120     display: block;
121     float: none;
122   }
123   .cancelbtn {
124     width: 100%;
125   }
126 }
127 </style>
128 </head>
129 <body>
130
131   <h2>Modal Login Form</h2>
132
133   <button onclick="document.getElementById('id01').style.display='block'" style="width:auto;">Login</button>
134
135   <div id="id01" class="modal">
136
137     <form class="modal-content animate" action="/action_page.php" method="post">
138       <div class="imgcontainer">
139         <span onclick="document.getElementById('id01').style.display='none'" class="close" title="Close Modal">&times;</span>
140       </div>
141
142       <div class="container">
143         <label for="uname"><b>Username</b></label>
```

```
index.html
142   <div class="container">
143     <label for="uname"><b>Username</b></label>
144     <input type="text" placeholder="Enter Username" name="uname" required>
145
146     <label for="psw"><b>Password</b></label>
147     <input type="password" placeholder="Enter Password" name="psw" required>
148     <label for="captch"></label><123gh@><label>
149     <input type="captcha" 123@g="Enter captcha" name="captcha" requied>
150     <button type="submit">Login</button>
151     <label>
152
153     <input type="checkbox" checked="checked" name="remember"> Remember me
154     </label>
155   </div>
156
157   <div class="container" style="background-color:#f1f1f1">
158     <button type="button" onclick="document.getElementById('id01').style.display='none'" class="cancelbtn">Cancel</button>
159     <span class="psw">Forgot <a href="#">password?</a></span>
160   </div>
161 </form>
162 </div>
163
164 <script>
165   // Get the modal
166   var modal = document.getElementById('id03');
167
168   // When the user clicks anywhere outside of the modal, close it
169   window.onclick = function(event) {
170     if (event.target == modal) {
171       modal.style.display = "none";
172     }
173   }
174 </script>
175
176 </body>
177 </html>
```

OUTPUT:

Real time water quality monitoring system

Modal Login Form

Login

Username

Enter Username

Password

Enter Password

<123gh@>

Login



Remember me

Cancel

Forgot [password?](#)