PROJECT DEVELOPMENT - DELIVERY OF SPRINT 1

Date:	17 November 2022
Team ID:	PNT2022TMID04601
Name:	Real-Time River Water Quality Monitoring and Control System

Coding for sprint 1:

Login.html

```
<html>
    <head>
        <meta charset="UTF-8">
        <title> Login </title>
        k rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
    </head>
    <body></br></br></br>
        <div align="center">
           <div align="center" class="border">
              <div class="header">
                 <h1 class="word">Login</h1>
              </div></br></br>
             <h2 class="word">
                 <form action="{{ url_for('login') }}"
                                        <div class="msg">{{ msg
method="post">
                                        }}</div><input
                                        id="username"name="username"
type="text" placeholder="Enter Your Username" class="textbox"/></br>
                      input id="password" name="password" type="password"
placeholder="Enter Your Password" class="textbox"/></br></br>
                      <input type="submit" class="btn" value="Sign
In"></br>
                 </form>
             </h2>
             Don't have an account? <a class="bottom"</pre>
href="{{url_for('register')}}"> Sign Up here</a>
           </div>
        </div>
    </body>
</html>
Register.html
<html>
```

```
<head>
          <meta charset="UTF-8">
          <title> Register </title>
          link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
     </head>
     <body></br></br></br>
          <div align="center">
            <div align="center" class="border">
               <div class="header">
                   <h1 class="word">Register</h1>
               </div></br></br>
              <h2 class="word">
                   <form action="{{ url_for('register') }}"
                                         <div class="msg">{{ msg }}</div>
 method="post">
                                            <input id="username"
                                            name="username"
 type="text" placeholder="Enter Your Username" class="textbox"/></br>
                       input id="password" name="password" type="password"
 placeholder="Enter Your Password" class="textbox"/></br>
                       <input id="email" name="email" type="text"
 placeholder="Enter Your Email ID" class="textbox"/></br>
                       <input type="submit" class="btn" value="Sign
                                             </form>
Up"></br>
                                         </h2>
                                         Already have an
                                         account? <a
 class="bottom" href="{{url_for('login')}}"> Sign In here</a>
            </div>
          </div>
     </body>
 </html>
 Style.css
  .header{
                   padding: 5px 120px;
                   width: 150px; height:
                   70px;
                   background-color: #236B8E;
              }
              .border{
                   padding: 80px 50px;
                   width: 400px; height:
                   450px;
```

```
border: 1px solid #236B8E;
    border-radius: 0px;
    background-color: #9AC0CD;
}
.btn {
     padding: 10px 40px;
     background-color: #236B8E;
    color: #FFFFFF;
    font-style: oblique;
    font-weight: bold;
    border-radius: 10px;
}
. textbox \{
     padding: 10px 40px;
     background-color: #236B8E;
     text-color: #FFFFFF;
    border-radius: 10px;
}
::placeholder { color:
    #FFFFFF; opacity:
     1;
    font-style: oblique;
    font-weight: bold;
}
.word{
    color: #FFFFFF;
    font-style: oblique;
    font-weight: bold;
}
.bottom{
    color: #236B8E;
    font-style: oblique;
    font-weight: bold;
}
```

Login

Enter Your Username

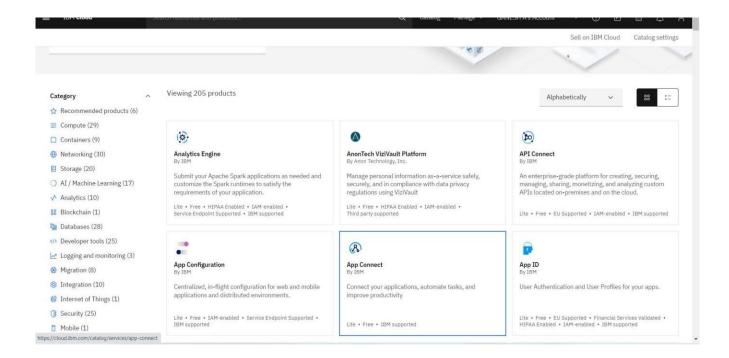
Enter Your Password

Sign In

Don't have an account? Sign Up here

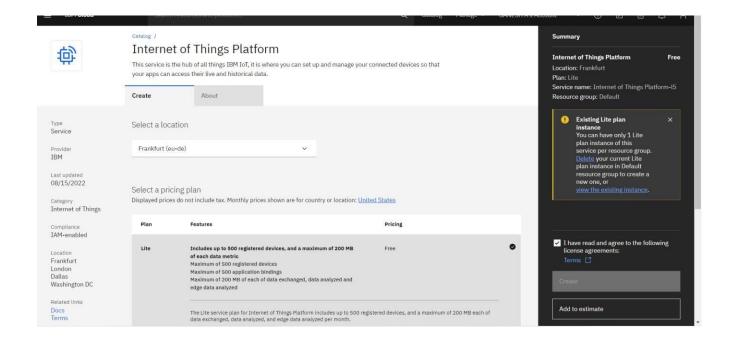
Registration page

Step-1: Creating IBM Cloud and Using its Service.



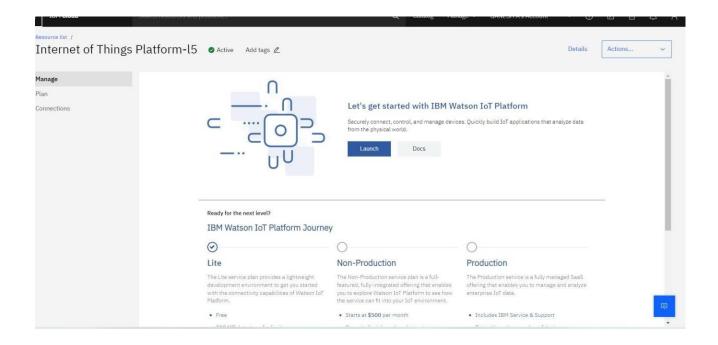
Step-2:

Configure the IBM cloud service and creating IOT platform



Step-3:

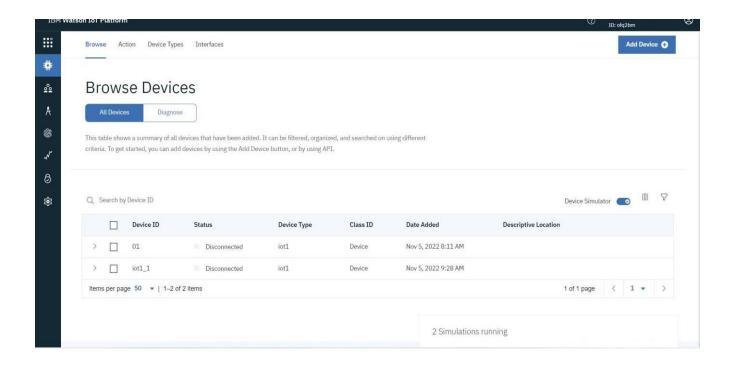
IBM Watson IOT platform acts as the mediator to connect the web application to IOT devices, hencelaunching IBM Watson IOT platform.



IBM Watson IOT platform is created

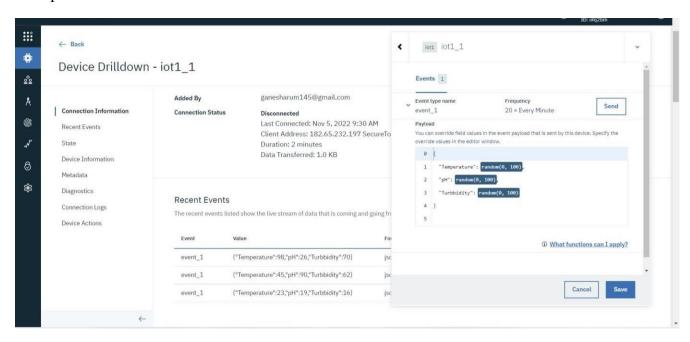
Step-4:

In order to connect the IOT device to the IBM cloud ,create device in the IBM Watson IOT Platformand get the device credentials.



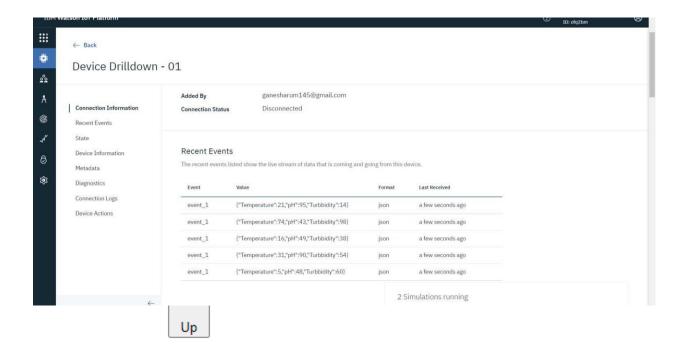
Connect the device and start simulating.

Step-5:



SIMULATION:

The simulation shows the Temperature, pH and Turbidity value.



Already have an account? Sign In here