

Project Development Phase – Sprint 1

Date	29 October 2022
Team ID	PNT2022TMID18178
Project Name	Smart Waste Management for Metropolitan Cities

HTML Code for login page:

```
<!DOCTYPE html>
<html lang="en" and dir="ltr">
  <head>
    <meta charset="utf-8">
    <link rel="stylesheet" href="style.css">

    <title>Smart Waste Management for metropolitan cities</title>
    <script>
      function validate(){
        var username=document.getElementById("username").value;
        var password=document.getElementById("password").value;
        if (username=="aeromadan2002@gmail.com " && password=="Madan"){
          alert("Log in successful");
          return false;
        }
        else{
          alert("Log in failed");
        }
      }
    </script>
  </head>
  <body>
    <div class="box">
      <form action="sendmail.php" method="POST">
        <h1>
          login
        </h1>
        <input type="text" name="name" placeholder="Enter Username"
id="username" required>
        <input type="password" name="pass" placeholder="Enter Password"
id="password" required>
```

```
        <input type="submit" name="btn" value="Log in" id="btn"
onclick="validate()">
    </form>
</div>
</body>
</html>
```

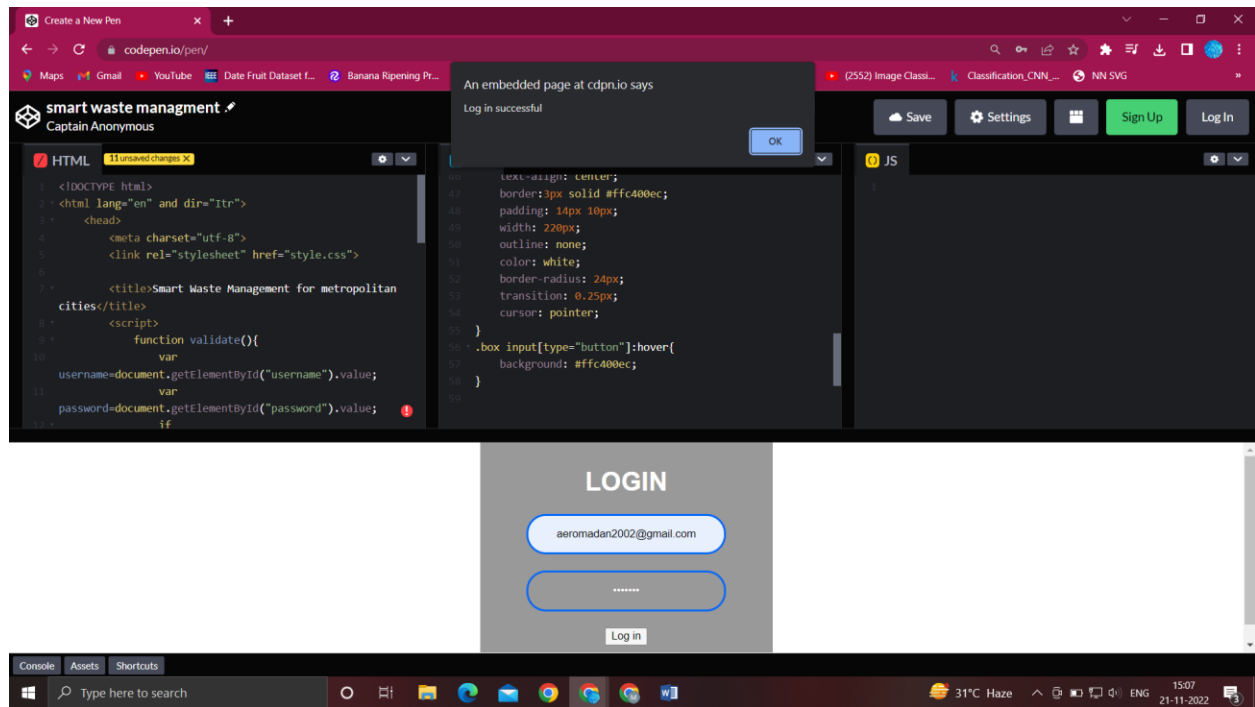
CSS for the above HTML code:

```
body{
    margin: 0;
    padding: 0;
    font-family: sans-serif;
    background-color: white;
}
.box{
    width: 300px;
    padding: 30px;
    position: absolute;
    top: 50%;
    left: 50%;
    transform:translate(-50%,-50%);
    background: rgba(0,0,0,0.4);
    text-align: center;
}
.box h1{
    color:white;
    text-transform: uppercase;
    font-weight: 700;
}
.box input[type="text"],.box input[type="password"]{
    border:0;
    background: none;
    display: block;
    margin: 20px auto;
    text-align: center;
    border:3px solid #0367fd;
    padding: 14px 10px;
    width: 220px;
    outline: none;
```

```
    color: white;
    border-radius: 24px;
    transition: 0.25px;
}
.box input[type="text"]:focus, .box[type="password"]:focus{
    width: 270px;
    border-color: #ffc400ec;
}
.box input[type="button"]{
    border:0;
    background: none;
    display: block;
    margin: 20px auto;
    text-align: center;
    border:3px solid #ffc400ec;
    padding: 14px 10px;
    width: 220px;
    outline: none;
    color: white;
    border-radius: 24px;
    transition: 0.25px;
    cursor: pointer;
}
.box input[type="button"]:hover{
    background: #ffc400ec;
}
```

Output

Execution in Code pen:



Explanation:

HTML code is written along with Java script to ensure validation of the login credentials entered by the user. CSS is used to beautify the HTML page.

The HTML and CSS codes are used in Node Red with HTTP in, HTTP response, Function and Template components and the login page is successfully implemented using Node Red.