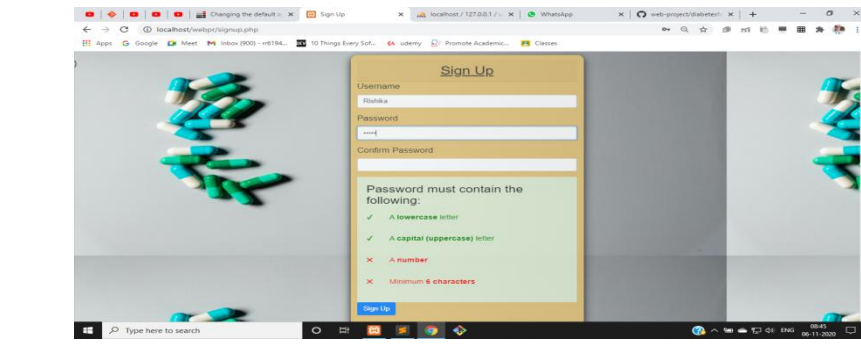# Experiment 7: Dynamic web page validation using JavaScript

Aim: To make a dynamic web page validation using JavaScript

Implementation:

Output:

Code:

```
<script>
    var myInput = document.getElementById("password");

    var myInput2 = document.getElementById("confirmPassword");

    var letter = document.getElementById("letter");

    var capital = document.getElementById("capital");

    var number = document.getElementById("number");

    var length = document.getElementById("length");


    // When the user clicks on the password field, show the message box

    // myInput.onfocus = function() {

    //   document.getElementById("message").style.display = "block";

    // }
```

```javascript
// // When the user clicks outside of the password field, hide the message box
// myInput.onblur = function() {
//   document.getElementById("message").style.display = "none";
// }


// When the user starts to type something inside the password field
myInput.onkeyup = function() {
 // Validate lowercase letters
 var lowerCaseLetters = /[a-z]/g;
 if(myInput.value.match(lowerCaseLetters)) {
  letter.classList.remove("invalid");
  letter.classList.add("valid");


 } else {
  letter.classList.remove("valid");
  letter.classList.add("invalid");


 }


 // Validate capital letters
 var upperCaseLetters = /[A-Z]/g;
 if(myInput.value.match(upperCaseLetters)) {
  capital.classList.remove("invalid");
  capital.classList.add("valid");


 } else {
  capital.classList.remove("valid");
  capital.classList.add("invalid");


 }
```

```javascript
// Validate numbers
var numbers = /[0-9]/g;
if(myInput.value.match(numbers)) {
  number.classList.remove("invalid");
  number.classList.add("valid");

} else {
  number.classList.remove("valid");
  number.classList.add("invalid");

}

// Validate length
if(myInput.value.length>=1)
{
  document.getElementById("message").style.display = "block";
}
else
  document.getElementById("message").style.display = "none";
if(myInput.value.length >= 6) {
  length.classList.remove("invalid");
  length.classList.add("valid");

} else {
  length.classList.remove("valid");
  length.classList.add("invalid");

}  }
```
</script>

Result: The experiment was successfully completed.