

```

1  /*jshint esversion: 6 */
2
3  document.addEventListener('DOMContentLoaded', function () {
4      document.getElementById('generate-button').addEventListener('click', generatePassword)
5
6      // function to delete all passwords
7      function deleteAllPasswords() {
8          // reset confirmationShown to false
9          confirmationShown = false;
10
11          const savedPasswordsDiv = document.getElementById('saved-passwords');
12
13          // check if there are any saved passwords
14          if (savedPasswordsDiv.children.length === 0) {
15              // no passwords to delete, show an alert
16              alert("You don't have passwords to delete.");
17              return;
18          }
19
20          // ask the user for confirmation before deleting all passwords
21          const confirmDeleteAll = confirm('Are you sure you want to delete all passwords? ');
22
23          if (confirmDeleteAll) {
24              const savedPasswordsDiv = document.getElementById('saved-passwords');
25              // clear the saved passwords div
26              savedPasswordsDiv.innerHTML = '';
27          }
28      }
29
30      // initialize a variable to track if confirmation has been shown
31      let confirmationShown = false;
32
33      // add event listener to the "Delete All Passwords" button
34      document.getElementById('delete-all').addEventListener('click', function () {
35          deleteAllPasswords();
36      });
37
38      function generatePassword() {
39          // selected options
40          const length = document.getElementById('length').value;
41          const useLowercase = document.getElementById('lowercase').checked;
42          const useUppercase = document.getElementById('uppercase').checked;
43          const useNumbers = document.getElementById('numbers').checked;
44          const useSymbols = document.getElementById('symbols').checked;
45
46          // array to store characters based on selected options

```

## CONFIGURE

## Metrics

There are 10 functions in this file.

Function with the largest signature take 1 arguments, while the median is 0.

Largest function has 22 statements in it, while the median is 2.5.

The most complex function has a cyclomatic complexity value of 8 while the median is 1.



version 2.13.6

([https://github.com/jshint/j](https://github.com/jshint/jshint)

About (/about)

Documentation (/docs)

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```

47     const characters = [];
48     if (useLowercase) characters.push('abcdefghijklmnopqrstuvwxyz');
49     if (useUppercase) characters.push('ABCDEFGHIJKLMNOPQRSTUVWXYZ');
50     if (useNumbers) characters.push('0123456789');
51     if (useSymbols) characters.push('!@#$%^&*');
52
53     // check if at least one character type is selected
54     if (characters.length === 0) {
55         alert('Please select at least one character type.');
56         return;
57     }
58     let password = '';
59     // ensure at least one character from each selected character type
60     for (let i = 0; i < characters.length; i++) {
61         password += characters[i].charAt(Math.floor(Math.random() * characters[i].length));
62     }
63
64     // fill the rest of the password with random characters
65     for (let i = password.length; i < length; i++) {
66         const randomTypeIndex = Math.floor(Math.random() * characters.length);
67         password += characters[randomTypeIndex].charAt(Math.floor(Math.random() * characters[randomTypeIndex].length));
68     }
69
70     // shuffle the password characters to make it more random
71     password = password.split('').sort(function () {
72         return Math.random() - 0.5;
73     }).join('');
74
75     document.getElementById('password-output').textContent = password;
76 }
77
78 // show a password as soon as the page is loaded/reloaded
79 generatePassword();
80
81 // length value changes as the range goes up
82 const lengthInput = document.getElementById('length');
83 const lengthValue = document.getElementById('length-value');
84
85 function updateLengthValue() {
86     lengthValue.textContent = lengthInput.value;
87 }
88
89 updateLengthValue();
90 lengthInput.addEventListener('input', updateLengthValue);
91
92 // FAQ accordion animation
93 const accordions = document.querySelectorAll('.accordion');

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94
95     accordions.forEach(accordion => {
96         accordion.addEventListener('click', () => {
97             const body = accordion.querySelector('.accordion-body');
98             body.classList.toggle('active');
99         });
100     });
101
102     // save generated password when the save button is clicked
103     document.getElementById('save-button').addEventListener('click', savePassword);
104
105     function savePassword() {
106         const generatedPassword = document.getElementById('password-output').textContent;
107         const savedPasswordsDiv = document.getElementById('saved-passwords');
108
109         // check if the generated password is already saved
110         const savedPasswords = savedPasswordsDiv.querySelectorAll('div');
111         for (let i = 0; i < savedPasswords.length; i++) {
112             if (savedPasswords[i].textContent === generatedPassword) {
113                 alert('This password is already saved.');
```



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```
141     const confirmDelete = confirm('Are you sure you want to delete this password?')
142     if (confirmDelete) {
143         savedPasswordsDiv.removeChild(passwordDiv);
144     }
145 });
146
147 // append the delete button and saved password div to the #saved-passwords div
148 passwordDiv.appendChild(deleteButton);
149 savedPasswordsDiv.appendChild(passwordDiv);
150
151 // alert user that the password has been saved
152 alert('Password saved successfully!');
153 }
154 };
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