

```

1  /*jshint esversion: 6 */
2
3  document.addEventListener('DOMContentLoaded', function () {
4      // moved declaration outside of the event listener
5      const savedPasswordsDiv = document.getElementById('saved-passwords');
6
7      document.getElementById('generate-button').addEventListener('click', generatePassword)
8
9      // function to delete all passwords
10     function deleteAllPasswords() {
11         // reset confirmationShown to false
12         confirmationShown = false;
13
14         // check if there are any saved passwords
15         if (savedPasswordsDiv.children.length === 0) {
16             // no passwords to delete, show an alert
17             Swal.fire({
18                 title: "You don't have passwords to delete.",
19                 color: '#000000',
20                 confirmButtonColor: '#004e89',
21                 background: '#efefd0'
22             });
23             return;
24         }
25
26         // ask the user for confirmation before deleting all passwords
27         Swal.fire({
28             title: 'Are you sure you want to delete all passwords?',
29             text: 'This action cannot be undone.',
30             background: '#efefd0',
31             color: '#000000',
32             icon: 'warning',
33             iconColor: '#a30000',
34             showCancelButton: true,
35             confirmButtonColor: '#008000',
36             cancelButtonColor: '#a30000',
37             confirmButtonText: 'Yes'
38         }).then((result) => {
39             if (result.isConfirmed) {
40                 Swal.fire({
41                     title: 'Deleted!',
42                     iconColor: '#008000',
43                     color: '#000000',
44                     confirmButtonColor: '#004e89',
45                     text: 'Your passwords have been deleted.',
46                     background: '#efefd0',

```

CONFIGURE

Metrics

There are 13 functions in this file.

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

Largest function has 21 statements in it, while the median is 2.

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)

Install (/install)

Contribute (/contribute)

Blog (/blog)

One undefined variable

17 Swal

27 Swal

40 Swal

80 Swal

142 Swal

155 Swal

188 Swal

198 Swal

213 Swal

```

47         icon: 'success'
48     });
49     // clear the saved passwords div
50     savedPasswordsDiv.innerHTML = '';
51 }
52 });
53 }
54
55 // initialize a variable to track if confirmation has been shown
56 let confirmationShown = false;
57
58 // add event listener to the "Delete All Passwords" button
59 document.getElementById('delete-all').addEventListener('click', function () {
60     deleteAllPasswords();
61 });
62
63 function generatePassword() {
64     // selected options
65     const length = document.getElementById('length').value;
66     const useLowercase = document.getElementById('lowercase').checked;
67     const useUppercase = document.getElementById('uppercase').checked;
68     const useNumbers = document.getElementById('numbers').checked;
69     const useSymbols = document.getElementById('symbols').checked;
70
71     // array to store characters based on selected options
72     const characters = [];
73     if (useLowercase) characters.push('abcdefghijklmnopqrstuvwxyz');
74     if (useUppercase) characters.push('ABCDEFGHIJKLMNOPQRSTUVWXYZ');
75     if (useNumbers) characters.push('0123456789');
76     if (useSymbols) characters.push('!@#$%^&*');
77
78     // check if at least one character type is selected
79     if (characters.length === 0) {
80         Swal.fire({
81             title: 'Please select at least one character type.',
82             color: '#000000',
83             confirmButtonColor: '#004e89',
84             background: '#efefd0'
85         });
86         return;
87     }
88     let password = '';
89     // ensure at least one character from each selected character type
90     for (let i = 0; i < characters.length; i++) {
91         password += characters[i].charAt(Math.floor(Math.random() * characters[i].length));
92     }
93 }

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94     // fill the rest of the password with random characters
95     for (let i = password.length; i < length; i++) {
96         const randomTypeIndex = Math.floor(Math.random() * characters.length);
97         password += characters[randomTypeIndex].charAt(Math.floor(Math.random() * char
98     }
99
100    // shuffle the password characters to make it more random
101    password = password.split('').sort(function () {
102        return Math.random() - 0.5;
103    }).join('');
104
105    document.getElementById('password-output').textContent = password;
106 }
107
108 // show a password as soon as the page is loaded/reloaded
109 generatePassword();
110
111 // length value changes as the range goes up
112 const lengthInput = document.getElementById('length');
113 const lengthValue = document.getElementById('length-value');
114
115 function updateLengthValue() {
116     lengthValue.textContent = lengthInput.value;
117 }
118
119 updateLengthValue();
120 lengthInput.addEventListener('input', updateLengthValue);
121
122 // FAQ accordion animation
123 const accordions = document.querySelectorAll('.accordion');
124
125 accordions.forEach(accordion => {
126     accordion.addEventListener('click', () => {
127         const body = accordion.querySelector('.accordion-body');
128         body.classList.toggle('active');
129     });
130 });
131
132 // save generated password when the save button is clicked
133 document.getElementById('save-button').addEventListener('click', savePassword);
134
135 function savePassword() {
136     const generatedPassword = document.getElementById('password-output').textContent;
137
138     // check if the generated password is already saved
139     const savedPasswords = savedPasswordsDiv.querySelectorAll('div');
140     for (let i = 0; i < savedPasswords.length; i++) {

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141     if (savedPasswords[i].textContent === generatedPassword) {
142         Swal.fire({
143             title: 'This password is already saved.',
144             confirmButtonColor: '#004e89',
145             color: '#000000',
146             background: '#efefd0'
147         });
148         return;
149     }
150 }
151
152 // max saved passwords = 10
153 if (savedPasswordsDiv.children.length >= 10) {
154     // inform the user that they need to delete a password before saving a new one
155     Swal.fire({
156         title: 'You already have 10 saved passwords. Please delete one of them before saving a new one',
157         confirmButtonColor: '#004e89',
158         color: '#000000',
159         background: '#efefd0'
160     });
161     return;
162 }
163
164 // create a new div element to hold the saved password
165 const passwordDiv = document.createElement('div');
166 passwordDiv.textContent = generatedPassword;
167
168 // create a delete button
169 const deleteButton = document.createElement('button');
170 deleteButton.innerHTML = '<i class="fa-solid fa-trash-can fa-lg"></i>';
171
172 // add style to delete button
173 deleteButton.style.color = 'red';
174 deleteButton.style.border = 'none';
175 deleteButton.style.cursor = 'pointer';
176 deleteButton.style.marginLeft = '5px';
177
178 // add event listener for the delete button
179 deleteButton.addEventListener('click', function () {
180     deletePassword(passwordDiv);
181 });
182
183 // append the delete button and saved password div to the #saved-passwords div
184 passwordDiv.appendChild(deleteButton);
185 savedPasswordsDiv.appendChild(passwordDiv);
186
187 // alert user that the password has been saved

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188     Swal.fire({
189         title: 'Password saved successfully!',
190         confirmButtonColor: '#004e89',
191         color: '#000000',
192         background: '#efefd0'
193     });
194 }
195
196 // function to delete a single password
197 function deletePassword(passwordDiv) {
198     Swal.fire({
199         title: 'Are you sure you want to delete this password?',
200         text: "You won't be able to revert this!",
201         icon: 'warning',
202         color: '#000000',
203         iconColor: '#a30000',
204         background: '#efefd0',
205         showCancelButton: true,
206         confirmButtonColor: '#008000',
207         cancelButtonColor: '#a30000',
208         confirmButtonText: 'Yes'
209     }).then((result) => {
210         if (result.isConfirmed) {
211             // remove the password div if the user confirms
212             savedPasswordsDiv.removeChild(passwordDiv);
213             Swal.fire({
214                 title: 'Deleted!',
215                 text: 'Your password has been deleted.',
216                 confirmButtonColor: '#004e89',
217                 color: '#000000',
218                 iconColor: '#008000',
219                 background: '#efefd0',
220                 icon: 'success'
221             });
222         }
223     });
224 }
225 };
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