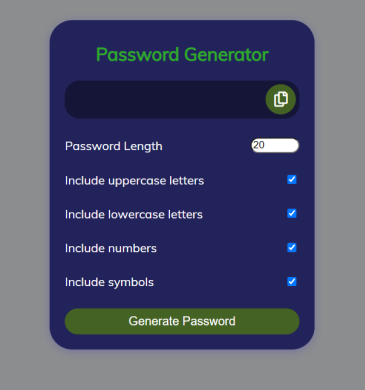
# ****Create Password Generator Using HTML | CSS | JS****

**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<link**

**rel="stylesheet"**

**href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.1/css/all.min.css"**

**integrity="sha512-+4zCK9k+qNFUR5X+cKL9EIR+ZOhtIloNl9GIKS57V1MyNsYpYcUrUeQc9vNfzsWfV28IaLL3i96P9sdNyeRssA=="**

**crossorigin="anonymous"**

**/>**

**<style>**

**@import url("https://fonts.googleapis.com/css?family=Muli&display=swap");**

**\* {**

**box-sizing: border-box;**

**}**

**body {**

**background-color: #3b3b98;**

**color: #fff;**

**font-family: "Muli", sans-serif;**

**display: flex;**

**flex-direction: column;**

**align-items: center;**

**justify-content: center;**

**height: 100vh;**

**overflow: hidden;**

**padding: 10px;**

**margin: 0;**

**}**

**h2 {**

**margin: 10px 0 20px;**

**text-align: center;**

**}**

**.container {**

**background-color: #23235b;**

**box-shadow: 0px 2px 10px rgba(255, 255, 255, 0.2);**

**padding: 20px;**

**width: 350px;**

**max-width: 100%;**

**}**

**.result-container {**

**background-color: rgba(0, 0, 0, 0.4);**

**display: flex;**

**justify-content: flex-start;**

**align-items: center;**

**position: relative;**

**font-size: 18px;**

**letter-spacing: 1px;**

**padding: 12px 10px;**

**height: 50px;**

**width: 100%;**

**}**

**.result-container #result {**

**word-wrap: break-word;**

**max-width: calc(100% - 40px);**

**}**

**.result-container .btn {**

**position: absolute;**

**top: 5px;**

**right: 5px;**

**width: 40px;**

**height: 40px;**

**font-size: 20px;**

**}**

**.btn {**

**background-color: #3b3b98;**

**color: #fff;**

**border: none;**

**font-size: 16px;**

**padding: 8px 12px;**

**cursor: pointer;**

**}**

**.btn-large {**

**display: block;**

**width: 100%;**

**}**

**.setting {**

**display: flex;**

**justify-content: space-between;**

**align-items: center;**

**margin: 15px 0;**

**}**

**.toast {**

**position: fixed;**

**bottom: 10px;**

**right: 10px;**

**background-color: #fff;**

**color: #3b3b98;**

**border-radius: 5px;**

**padding: 1rem 2rem;**

**margin: 0.5rem;**

**}**

**</style>**

**<title>Password Generator</title>**

**</head>**

**<body>**

**<div class="container">**

**<h2>Password Generator</h2>**

**<div class="result-container">**

**<span id="result"></span>**

**<button class="btn" id="clipboard">**

**<i class="far fa-copy"></i>**

**</button>**

**</div>**

**<div class="settings">**

**<div class="setting">**

**<label for="length">Password Length</label>**

**<input**

**type="number"**

**name="length"**

**id="length"**

**min="4"**

**max="20"**

**value="20"**

**/>**

**</div>**

**<div class="setting">**

**<label for="uppercase">Include uppercase letters</label>**

**<input type="checkbox" name="uppercase" id="uppercase" checked />**

**</div>**

**<div class="setting">**

**<label for="lowercase">Include lowercase letters</label>**

**<input type="checkbox" name="lowercase" id="lowercase" checked />**

**</div>**

**<div class="setting">**

**<label for="numbers">Include numbers</label>**

**<input type="checkbox" name="numbers" id="numbers" checked />**

**</div>**

**<div class="setting">**

**<label for="symbols">Include symbols</label>**

**<input type="checkbox" name="symbols" id="symbols" checked />**

**</div>**

**</div>**

**<button class="btn btn-large" id="generate">Generate Password</button>**

**</div>**

**<script>**

**const resultElement = document.getElementById("result");**

**const lengthElement = document.getElementById("length");**

**const uppercaseElement = document.getElementById("uppercase");**

**const lowercaseElement = document.getElementById("lowercase");**

**const numbersElement = document.getElementById("numbers");**

**const symbolsElement = document.getElementById("symbols");**

**const generateElement = document.getElementById("generate");**

**const clipboardElement = document.getElementById("clipboard");**

**// Random functions**

**// fromCharCode: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/String/fromCharCode**

**// ASCII codes: https://www.w3schools.com/charsets/ref\_html\_ascii.asp**

**const getRandomLower = () =>**

**String.fromCharCode(Math.floor(Math.random() \* 26) + 97);**

**const getRandomUpper = () =>**

**String.fromCharCode(Math.floor(Math.random() \* 26) + 65);**

**const getRandomNumber = () =>**

**String.fromCharCode(Math.floor(Math.random() \* 10) + 48);**

**const getRandomSymbol = () => {**

**const symbols = "!@#$%^&\*(){}[]=<>/,.";**

**return symbols[Math.floor(Math.random() \* symbols.length)];**

**};**

**const randomFunctions = {**

**lower: getRandomLower,**

**upper: getRandomUpper,**

**number: getRandomSymbol,**

**symbol: getRandomSymbol,**

**};**

**const createNotification = (message) => {**

**const notif = document.createElement("div");**

**notif.classList.add("toast");**

**notif.innerText = message;**

**document.body.appendChild(notif);**

**setTimeout(() => notif.remove(), 3000);**

**};**

**clipboardElement.addEventListener("click", () => {**

**const password = resultElement.innerText;**

**if (!password) return;**

**const textarea = document.createElement("textarea");**

**textarea.value = password;**

**document.body.appendChild(textarea);**

**textarea.select();**

**document.execCommand("copy");**

**textarea.remove();**

**createNotification("Password copied to clipboard!");**

**});**

**generateElement.addEventListener("click", () => {**

**const length = +lengthElement.value;**

**const hasLower = lowercaseElement.checked;**

**const hasUpper = uppercaseElement.checked;**

**const hasNumber = numbersElement.checked;**

**const hasSymbol = symbolsElement.checked;**

**resultElement.innerText = generatePassword(**

**hasLower,**

**hasUpper,**

**hasNumber,**

**hasSymbol,**

**length**

**);**

**});**

**const generatePassword = (lower, upper, number, symbol, length) => {**

**let generatedPassword = "";**

**const typesCount = lower + upper + number + symbol;**

**const typesArr = [{ lower }, { upper }, { number }, { symbol }].filter(**

**(item) => Object.values(item)[0]**

**);**

**if (typesCount === 0) return "";**

**for (let i = 0; i < length; i += typesCount) {**

**typesArr.forEach((type) => {**

**const funcName = Object.keys(type)[0];**

**generatedPassword += randomFunctions[funcName]();**

**});**

**}**

**const finalPassword = generatedPassword.slice(0, length);**

**return finalPassword;**

**};**

**</script>**

**</body>**

**</html>**