

How-To Design Contact Form in HTML5 JavaScript and JSON

CSS Form Design

body

height: 100vh

min-width: 320px

overflow: hidden

display: flex

padding: 1rem

form

min-width: 400px

min-height: 500px

margin: auto

display: flex

flex-direction: column

justify-content: space-between

JavaScript Form Process

```
(function() {  
  
    // stringify all input, select, and textareas in a form  
  
    function toJSONString(form) {  
  
        var obj = {};  
  
        // grab all of the inputs, selects, textareas in a specified form  
  
        var elements = form.querySelectorAll("input, select, textarea");  
  
        for (var i = 0; i < elements.length; ++i) {  
  
            var element = elements[i];  
  
            var name = element.name;  
  
            var value = element.value;
```

```
if (name) {  
  
    obj[name] = value;  
  
}  
  
}  
  
// return JSON stringified  
  
return JSON.stringify(obj);  
  
}  
  
document.addEventListener("DOMContentLoaded", function() {  
  
    // targets a specific form  
  
    var form = document.getElementById("form-contact");  
  
    // REMOVE - this is used only for the test  
  
    var output = document.getElementById("output");  
  
    // submit event listener
```

```
form.addEventListener(

    "submit",

    function(e) {

        e.preventDefault();

        var json = toJSONString(this);

        // REMOVE - this is used only for testing

        output.innerHTML = json;

        // get new XHR object

        var newXHR = new XMLHttpRequest();

        // go to https://hookb.in/ZdNN6D0A to view request!

        newXHR.open("POST", "https://hookb.in/ZB7WNJPa");

        //      ^-- IMPORTANT: to send data to the server with it appearing in the url use
'POST'
```

```
// set the header

// this lets the server know where/how to expect your data

newXHR.setRequestHeader("Content-Type", "application/json");

// this is how form data looks like when you send it with the attributes
`action="POST"` on your form

var formData = json;

// REMOVE - this is used only for testing

console.log(formData);

//

newXHR.onreadystatechange = function() {

  if (newXHR.readyState == XMLHttpRequest.DONE) {

    if (newXHR.status == 200) {

      document.getElementById("myDiv").innerHTML = newXHR.responseText;

    } else if (newXHR.status == 400) {
```

```
    alert("There was an error 400");

    } else {

        alert("something else other than 200 was returned", newXHR.status);

        document.getElementById("myDiv").innerHTML = "Our system encountered and
error. Your message has not been sent. Please call one of our representatives at 1-866-725-
2747 with any questions, issues, or concerns you have.";

    }

}

};

// sends form data

newXHR.send(formData);

},

false

);

});
```

```
})();
```

HTML5 Form

```
<form class="cf validate" id="form-contact" >
```

```
  <input class="field" id="full_name" name="full_name" placeholder="e.g. John Doe"
  title="Enter your name" type="text" value="" required>
```

```
  <input class="email-field field" id="email" name="email" placeholder="e.g.
  name@address.com" required="required" title="Enter a valid email address"
  type="email" value="">
```

```
  <input class="field" id="phone_no" name="phone_no" placeholder="e.g. 1-999-999-
  9999" title="Enter your phone number" type="tel" value="">
```

```
  <input class="field" id="policy_no" name="policy_no" placeholder="e.g. 5012345"
  title="Enter your policy number" type="text" value="">
```

```
<input class="field" id="subject" name="subject" placeholder="e.g. Question about my policy" title="Enter your policy number" type="text" value="">
```

```
<textarea class="message-field field" cols="20" id="message" name="message" placeholder="Message" required="required" rows="5"></textarea>
```

```
<input type="submit" value="Submit" id="input-submit">
```

```
<pre id="output"></pre>
```

```
<div id="myDiv"></div>
```

```
</form>
```

Courtesy: <https://codepen.io/lanJohnson/pen/rdeaXz>

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