

Introduction to Web Design

Web Forms



A web form with a light gray background and rounded corners. It contains three text input fields, each with a yellow border, stacked vertically. The labels 'Name', 'Email', and 'Website' are positioned to the left of their respective input fields. At the bottom center of the form is a 'Submit' button with a white background and a gray border.

Name

Email

Website

Submit

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Forms

Web Forms

Web pages are good not just for providing information to visitors, but also gathering information from them.

The HTML <form> element is used to define a form for getting user input.

A variety of form elements are used to provide an interface for the input.

These form elements include text fields, checkboxes, drop-down menus, and buttons.

HTML

```
<form action="page.php" method="GET">
  <label for="textbox">Text Box</label><br>
  <input type="text" name="textbox"><br><br>
  <label for="password">Password Input</label><br>
  <input type="password" name="password"><br><br>
  <label for="textbox">Text Area</label><br>
  <textarea name="textarea"></textarea><br><br>
  <label for="dropdown">Dropdown</label><br>
  <select id="dropdown">
    <option value="1">Option 1</option>
    <option value="2">Option 2</option>
    <option value="3">Option 3</option>
  </select><br><br>
  <label for="checkbox">Checkbox</label><br>
  <input type="checkbox" name="checkbox"><br><br>
  <label for="radio">Radio Select</label><br>
  <input type="radio" name="radio">
  <input type="radio" name="radio">
  <input type="radio" name="radio"><br><br>
  <label for="file">File</label><br>
  <input type="file" name="file"><br><br>
  <input type="submit" value="Submit Button">
```

Result

Text Box

Password Input

Text Area

Dropdown

Option 1 ▾

Checkbox

☐

Radio Select

☐ ☐ ☐

File

 No file chosen

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HTML Form

Web Forms

Forms always begin with the `<form>` element.

The `<form>` element's `action` attribute specifies how the form will be processed.

The `<input>` element is used for various kinds of user input.

The `<input>` element's `type` attribute determines what kind of input is received from users.

Each `<input>` element must also have a `name` attribute and `value` in order for the data to be sent.

Form elements can be used to collect data

SyncFiddle - Collaborate HTML x +

syncfiddle.net/fiddle/-MpE0mA0dMEpHP4Y4k0l

SyncFiddle

Run Add library Export Lint Off Share

HTML

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>The input Element</h2>
6
7 <input type="text" placeholder="Type something..." id="myInput">
8 <button type="button" onclick="getInputValue();">Get
  Value</button>
9
10 <br>
11 <div id="display">
12
13 </div>
14 <script type="text/javascript">
15   function getInputValue(){
16       // Selecting the input element and get its value
17       var inputVal =
18   document.getElementById("myInput").value;
19       //Displaying the Value on the page
20       document.getElementById("display").innerHTML = "<br>" +
21   inputVal ;
22   }
23 </script>
24 </body>
25 </html>
```

Result

The input Element

this is something Get Value

this is something

<https://syncfiddle.net/fiddle/-MpE0mA0dMEpHP4Y4k0l>

Front-end processing

SyncFiddle - Collaborate HTML x +

syncfiddle.net/fiddle/-MpE5yJROeqfVgYkMtaR

SyncFiddle Run + Add library Export Lint Off Share


HTML

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>seasons</title>
5 </head>
6 <body>
7   <input type="text" placeholder="What season..." id="myInput">
8   <button type="button" onclick="getInputValue();">Get Value</button>
9   <div id="display">
10
11 </div>
12 <br>
13 <div id="seasonal">
14
15 </div>
16
17
18 <script>
19
20   function getInputValue(){
21     // Selecting the input element and get its value
22     var inputVal = document.getElementById("myInput").value;
23     //Displaying the Value on the page
24     document.getElementById("display").innerHTML = "<br>" +
inputVal ;
25
26   var season = inputVal;
27
28   if (season === 'spring') {
29     console.log('It\'s spring! The trees are budding!');
30     document.getElementById("seasonal").innerHTML= "<img
src='https://i6.cims.nyu.edu/~mr6465/web_design/javascript/seasons_js/image
s/spring-2x.jpg'>";
31
```

Result

summer Get Value

summer



Console Clear

18:33:30.576 It's sunny and warm because it's summer!

<https://syncfiddle.net/fiddle/-MpE5yJROeqfVgYkMtaR>

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Form Validation

Web Forms

Before form data gets sent, it's important to validate the input.

- You may want to make certain form fields required.
- You probably want to make sure that certain fields are completed properly.
- You should also verify that malicious code is not sent along with form input.

Form validation can be done client-side, server-side, or both.

Save form Data in a Text File

← → ↺ i6.cims.nyu.edu/~mr6465/web_design/javascript/form/data_parse.html 🔍 ☆ 🔄 🌐 ⚙️ 👤 ⋮

Enter your name

Enter your age

Enter your email address

-- Choose the country -- ▾

Write some message ...

https://i6.cims.nyu.edu/~mr6465/web_design/javascript/form/data_parse.html

Often this data is sent to a php file on the server for processing via a http get or post requests (security and functionality)

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HTML Form

Web Forms

```
<form action="my-script.php">  
  
    First name:  
    <input type="text" name="firstname">  
  
    Last name:  
    <input type="text" name="lastname">  
  
    <input type="submit" value="Submit">  
  
</form>
```

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Web Forms

A white rectangular search input field with a thin grey border and a small vertical cursor on the left side.

Google Search

I'm Feeling Lucky

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Web Forms



NYU Login

Login to NYUHome

Username

Password


LOGIN

By your use of these resources, you agree to abide by the [Policy on Responsible Use of NYU Computers and Data](#).

[Need Help?](#)

Introduction to Web Design

Web Forms



charity: water
100% funds water projects

Email

Name

Street

City

ZIP Code

United States

Give

Introduction to Web Design

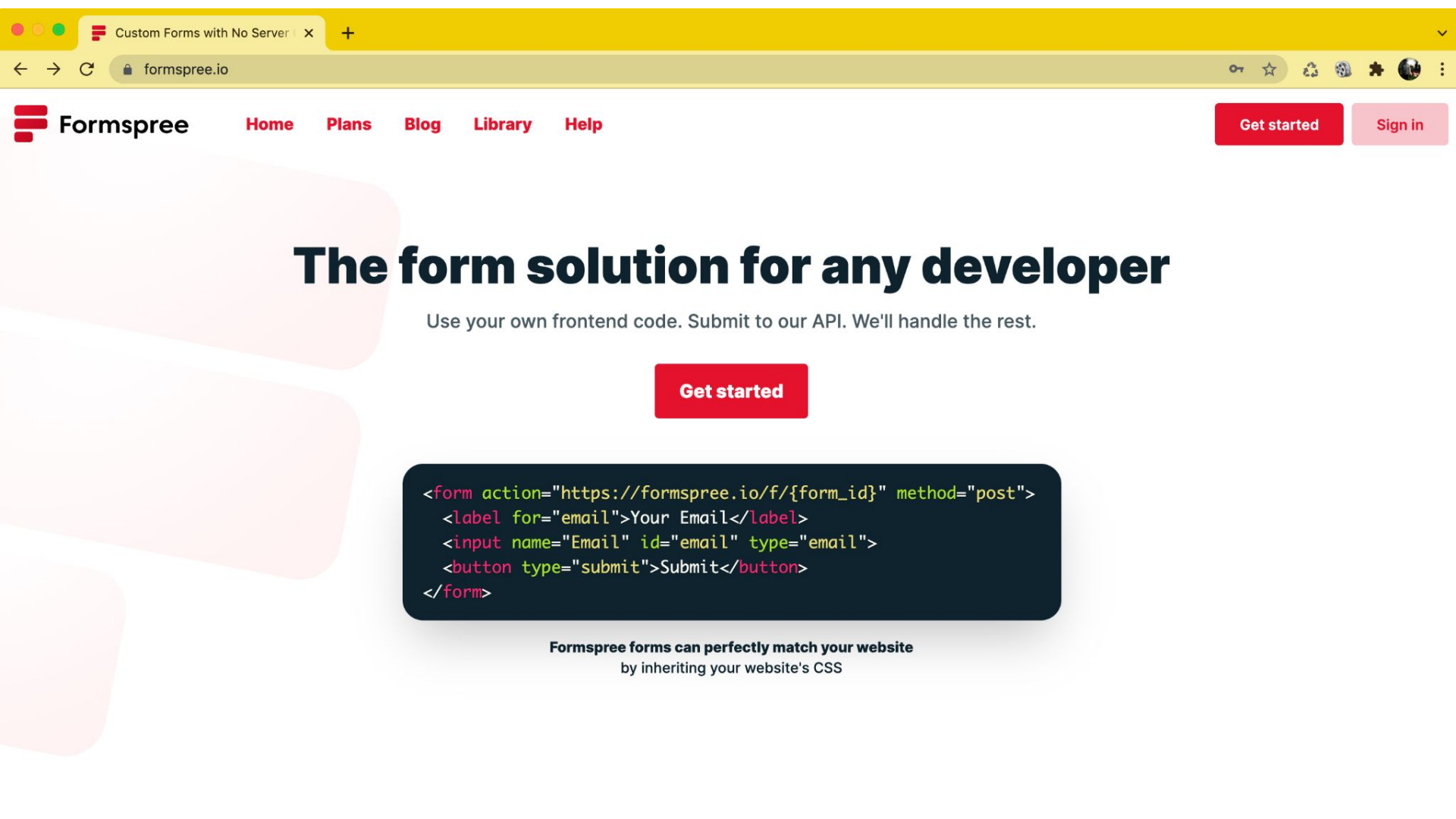
Form Processing

Web Forms

Normally, forms are sent to the server to be processed.

This requires a server-side application written in a back-end language.

Since server-side coding is beyond the scope of this class, we will use a free service that receives form data and sends it to you via email.



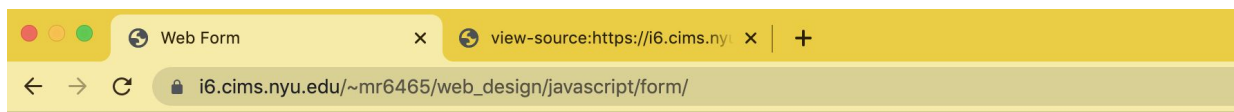
The form solution for any developer

Use your own frontend code. Submit to our API. We'll handle the rest.

Get started

```
<form action="https://formsfree.io/f/{form_id}" method="post">
  <label for="email">Your Email</label>
  <input name="Email" id="email" type="email">
  <button type="submit">Submit</button>
</form>
```

Formsfree forms can perfectly match your website
by inheriting your website's CSS



First Name:

Last Name:

Email:

Message

Enter your message here.

https://i6.cims.nyu.edu/~mr6465/web_design/javascript/form/

FORM ART COMPETITION



who: [Alexei Shulgin](#)

what: [Form](#)

where: [c3](#)

browser: [Netscape 3.0](#)

[Contact](#)

[THANKS TO](#)