

# HTML Input Fields



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# HTML Input Fields

HTML input fields are used to collect data from users in web forms.

They allow users to enter data such as text, numbers, and dates, and provide various input types that are optimized for different data types.

There are 22 input types, so we can't cover them all.

The `<input>` tag is used to create an input field.

The **type** attribute of the `<input>` tag determines the type of input field that is created.



# HTML Input attributes

Some common attributes that can be used with the HTML `<input>` element:

- `type`: specifies the type of input to be displayed, such as "text", "email", "password", "checkbox", "radio", "date", "number", and more.
- `name`: assigns a name to the input field, which can be used to identify the input in server-side scripts.
- `value`: specifies the default value for the input field.
- `placeholder`: provides a hint or example value to the user of what to input in the field.
- `required`: specifies whether the input field is required for form submission.
- `autofocus`: specifies whether the input field should automatically be focused when the page loads.
- `readonly`: specifies whether the input field can be edited by the user.
- `disabled`: specifies whether the input field should be disabled and cannot be used.

These attributes allow developers to customize the behavior and appearance of input fields and provide additional information to users.



# Text Input Fields

This is the most common type of input field, used for collecting text-based information such as names, addresses, and comments. The text input is defined using the `<input>` tag with the `type` attribute set to "text".

The user can type in any text or numerical data.

Example:



```
1 <input type="text" name="username" placeholder="Enter your username">
```



# Email Input Fields

The input type "email" is a form field used for collecting email addresses from users. It is specified using the HTML `<input>` tag and the type attribute set to "email".

When a user enters their email address in this field, the browser will validate that the input is a valid email address before submitting the form. If the input is not a valid email address, the browser will display an error message prompting the user to enter a valid email address.

Here is an example of how to create an email input field in HTML:



```
1 <input type="email" name="email">
```



# Password Input Fields

The HTML input type password is used for creating password fields in forms. When this type of input is used, the characters entered in the field will be masked, so that they cannot be read by anyone else who might be looking at the screen. This is particularly important when sensitive information like passwords are being entered.

To create a password input field, you can use the `<input>` tag with the type attribute set to "password". For example:

Example:



```
1 <input type="password" name="password" placeholder="Enter your password">
2
```



# Number Input Fields

This type of input field is used for collecting numeric data, such as age or quantity.

When the user enters a value, the browser checks that the value is a valid number and that it falls within any specified range.

The "number" input type can have the following attributes:

- min: specifies the minimum value allowed
- max: specifies the maximum value allowed
- step: specifies the increment or decrement by which the value will change when the user clicks the up or down arrow buttons
- value: specifies the default value



```
1 <input type="number" id="quantity" name="quantity" min="1" max="10" step="1" value="1">
```



# File Input Fields

The "file" input type is used to create a file upload control on a web page.

When the user clicks on the file input button, a dialog box is displayed that allows them to select a file from their local device.

The selected file is then sent to the server as part of the form data when the user submits the form.

Here's an example of how to use the file input type:

```
1 <form action="/upload" method="post" enctype="multipart/form-data">
2   <label for="file">Choose a file:</label>
3   <input type="file" id="file" name="file">
4   <input type="submit" value="Upload">
5 </form>
```