

# FORMS

## Terms

Check boxes	HTTP method
CSS frameworks	Input fields
Data validation	Input controls
Data lists	Radio buttons
Fieldsets	Sliders
Hidden fields	Text areas

## Summary

- Label elements make our forms more accessible. When the user clicks on a label, the associated input field gets focus.
- We use the **input** element to accept data from the user. The **type** attribute of the input element determines the type of the input field and can be **text**, **password**, **email**, **checkbox**, **radio**, **range**, **date**, **file**, etc.
- Using data lists we can provide a suggestion list (autocompletion).
- To display a drop-down list, we use the **select** element. This element can contain one or more **option** elements.
- The **fieldset** element (along with a legend) is used to group related input fields. Alternatively, we can use the **section** element to group related fields.
- Hidden fields are not visible to the user and are often used to specify the ID of the content being edited. Don't use them to store sensitive information because they can easily be accessed via the source code of the page.

- Always validate your form data to prevent security attacks and data corruption.
- HTML5 comes with built-in validation. The most common validation attributes are **required**, **minlength**, **maxlength**, **min**, and **max**.
- To submit a form, you should set the **action** and the **method** of the form. The action attribute represents where data is sent. The method specifies how the data is sent and can be either **GET** or **POST**.
- With the POST method, form data is included in the body of the request. With the GET method, form data is included in the URL as query string parameters. That's why the GET method is often used when we need to enable bookmarking pages. In contrast, the POST method is used when we need to update the data.
- Use <https://formspree.io> to create a backend for your forms.

# CSS Cheat Sheet

## Forms

```
<form action="https://formspree.io/..." method="POST">
  <label for="name" />
  <input type="text" id="name" />
  <button type="submit">Register</button>
</form>
```

## Inputs

```
<input type="email" />
<input type="password" />
<input type="checkbox" />
<input type="radio" />
<input type="range" />
<input type="date" />
<input type="file" />
```

## Grouping fields

```
<fieldset>
  <legend>Contact</legend>
  <input type="text" />
  <input type="text" />
</fieldset>
```

## Data Validation

```
<input type="number" min="0" max="5" required />
```

```
<input type="text" minlength="3" maxlength="50" required />
```