

Forms | Cheat Sheet

1. HTML Forms

The HTML Forms can be used to collect data from the user.

Forms are of different kinds:

- Login/Sign in Form
- Registration Form
- Contact Us Form, etc.

1.1 HTML Form Element

The HTML

`form` element can be used to create HTML forms. It is a container that can contain different types of Input elements like Text Fields, Checkboxes, etc.

HTML

```
1 <form></form>
```

Note

Whenever we click a button or press

`Enter` key while editing any input field in the form, the `submit` event will be triggered.

2. Event Object Methods

2.1 preventDefault

The

`preventDefault()` method prevents the occurrence of default action.

Here in the form, it prevents the default behaviour of the

`submit` event.

```
1 let myFormEl = document.getElementById("myForm");
2
3 myFormEl.addEventListener("submit", function(event) {
4   event.preventDefault();
5 });
```

3. Event Types

There are different types of events.

- Keyboard Events
- Mouse Events
- Touch Events
- Form Events, etc.

3.1 Form Events

A Form Event is an event that can occur within a form.

Some of the form events are:

- blur
- focus
- change, etc.

3.1.1 Blur Event

The

`blur` event happens when an HTML element has lost focus.

```
1 let nameEl = document.getElementById("name");
2
3 nameEl.addEventListener("blur", function(event) {
4   console.log("blur event triggered");
5 });
```

Try out the

`preventDefault` method and `blur` event in the below Code Playground.

HTML CSS JAVASCRIPT

Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head>
```

```
3 </head>
4 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
5 <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
6 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
7 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
8 </head>
9 <body>
10 <div class="container">
11 <h1 class="form-heading">Add User</h1>
12 <form id="myForm">
13 <div class="mb-3">
14 <label for="name">Name</label>
15 <input type="text" class="form-control">
16 <p id="nameErrMsg" class="error-message"></p>
17 </div>
```

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