

Todos Application | Cheat Sheet

1. HTML Input Element

1.1 Checkbox

The HTML

`input` element can be used to create a Checkbox. To define a Checkbox, you need to specify the HTML `type` attribute with the value `checkbox` for an HTML `input` element.

HTML

```
1 <input type="checkbox" />
```

1.2 The HTML Label Element

The HTML

`label` element defines a Label.

HTML

```
1 <label for="myCheckbox">Graduated</label>
```

1.2.1 The HTML `for` Attribute

The HTML

`for` attribute associates the HTML `label` element with an HTML `input` element.

HTML

```
1 <input type="checkbox" id="myCheckbox" />
2 <label for="myCheckbox">Graduated</label>
```

2. DOM Manipulations

2.1 The `htmlFor` Property

We can use

`htmlFor` property to add HTML `for` attribute to the HTML `label` element.

JAVASCRIPT

```
1 let labelElement = document.createElement("label");
2 labelElement.htmlFor = "myCheckbox";
```

2.2 The setAttribute() Method

We can use

`setAttribute()` method to set any HTML attribute name and its corresponding value. If the attribute already exists, the value is updated. Otherwise, a new attribute is added with the specified name and value.

Syntax:

```
Element.setAttribute(name, value);
```

JAVASCRIPT

```
1 let labelElement = document.createElement("label");
2 labelElement.setAttribute("for", "myCheckbox");
```

Try out creating the HTML

label element dynamically in the below Code Playground.

HTML

CSS

JAVASCRIPT

Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head></head>
4   <body> </body>
5 </html>
```

3. Loops

Loops allow us to execute a block of code several times.

- for...of Loop
- for...in Loop
- for Loop
- while Loop and many more.

3.1 The for...of Loop

JAVASCRIPT

```
1 let myArray = [1, 2, 3, 4];
2
3 for (let eachItem of myArray) {}
4   console.log(eachItem);
5 }
```

The HTML Code for creating a Todo Item:

HTML

```
1 <li class="todo-item-container d-flex flex-row">
2   <input type="checkbox" id="checkboxInput" class="checkbox-input" />
3   <div class="d-flex flex-row label-container">
4     <label for="checkboxInput" class="checkbox-label">
5       Learn HTML
6     </label>
7     <div class="delete-icon-container">
8       <i class="far fa-trash-alt delete-icon"></i>
9     </div>
10  </div>
```

Expand

4. CSS Box Properties

4.1 Border

The CSS

border property is a shorthand property for:

- border-width
- border-style (required)
- border-color

For example,

CSS

```
1 .button {}
2   border-style: dashed;
3   border-width: 2px;
4   border-color: #e4e7eb;
5 }
```

Instead of writing the CSS properties

`border-style` , `border-width` and `border-color` individually, we can apply these properties at once with a single CSS property called `border` .

Syntax:

`border: border-width border-style border-color`

CSS

```
1 .button {  
2   border: 2px dashed #e4e7eb;  
3 }
```

To specify the border on one of the four sides of an HTML element, you can use the below CSS properties.

- `border-top`
- `border-bottom`
- `border-right`
- `border-left`

CSS

```
1 .button {  
2   border-top: 1px dotted #e4e7eb;  
3 }
```

If the border is not required, we can apply the

`none` as value to the CSS `border` property.

CSS

```
1 .button {  
2   border: none;  
3 }
```

For example, if the border property is not required on the top side of an HTML element. You can use,

CSS

```
1 .button {  
2   border-top: none;  
3 }
```

Try out applying the different CSS border properties in the below Code Playground.

HTML CSS JAVASCRIPT

Inspect

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

```
4 <link rel="stylesheet" href="https://stackpath
5 <script src="https://code.jquery.com/jquery-3.
6 <script src="https://cdn.jsdelivr.net/npm/pop
7 <script src="https://stackpath.bootstrapcdn.co
8 </head>
9 <body>
10 <div class="p-3">
11 <button class="button-1">Learn more</button>
12 <button class="button-2">Read more</button>
13 </div>
14 </body>
15 </html>
```

Try out creating the multiple Todo Items dynamically in the below Code Playground.

HTML

CSS

JAVASCRIPT

Inspect

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <link rel="stylesheet" href="https://stackpæ
5 <script src="https://code.jquery.com/jquery-
6 <script src="https://cdn.jsdelivr.net/npm/pc
7 <script src="https://stackpath.bootstrapcdn.
8 <script src="https://kit.fontawesome.com/ac4
9 </head>
10 <body>
11 <div class="todos-bg-container">
12 <div class="container">
13 <div class="row">
14 <div class="col-12">
15 <h1 class="todos-heading">Todos</h1>
16 <h1 class="create-task-heading">
17 Create <span class="create-task-he
```

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