



# Todos Application | Part 2 | Cheat Sheet

## 1. HTML Input Element

### 1.1 Placeholder

Placeholder is the text that appears in the HTML

`input` element when no value is set. We can specify it using the HTML attribute `placeholder`.

HTML

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

## 2. JavaScript Built-in Functions

### 2.1 alert()

The

`alert()` function displays an alert box with a specified message and an OK button.

JAVASCRIPT

```
1 alert("Enter Valid Text");
```

## 3. DOM Properties

### 3.1 Checked

The

`checked` property sets or returns the checked status of an HTML checkbox `input` element as a boolean value.

JAVASCRIPT

```
1 let checkboxElement = document.getElementById(checkboxId);  
2 checkboxElement.checked = true;
```

## 4. DOM Manipulations

### 4.1 The removeChild() Method

The

`removeChild()` method removes an HTML child element of the specified HTML parent element from the DOM and returns the removed HTML child element.

JAVASCRIPT

```
1 function onDeleteTodo(todoId) {
2   let todoElement = document.getElementById(todoId);
3
4   todoItemsContainer.removeChild(todoElement);
5 }
```

## 4.2 The `classList.toggle()` Method

The

`classList.toggle()` method is used to toggle between adding and removing a class name from an HTML element.

JAVASCRIPT

```
1 function onTodoStatusChange(checkboxId, labelId) {
2   let checkboxElement = document.getElementById(checkboxId);
3   let labelElement = document.getElementById(labelId);
4
5   labelElement.classList.toggle('checked');
6 }
```

We can replace

`classList.add()` and `classList.remove()` methods with `classList.toggle()` method.

Try out adding the placeholder to the HTML input elements, deleting the HTML child elements, adding alerts and toggling the class names in the below Code Playground.

HTML CSS JAVASCRIPT

Inspect

```
1 <!DOCTYPE html>
2 <html>
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     <script src="https://kit.fontawesome.com/ac419381c7.js"></script>
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">Create Task</h1>
17            Create <span class="create-task-heading"></span>
```

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