

DOM in depth

Relevel
by Unacademy



Apps we will be building today - Todo App (Advance) and Count-Character App

To Do Application

Add Task

Search

Filter By Priority : ☐ 1 ☐ 2 ☐ 3

#	Description	Type	Actions
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What does it take to build an advanced Todo App?

The knowledge of the following concepts is necessary to build a web page - .



JavaScript Events.



Event Listeners

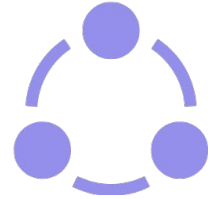
JavaScript Events

- JavaScript can **react** on events in a HTML page like finished loading, or input field getting changed or a button getting clicked.
- Common HTML events are onchange, onclick, onmouseover, onmouseout, onkeydown, onload.
- [Example1](#) [Example2](#) [Example3](#) Feel free to play with it.



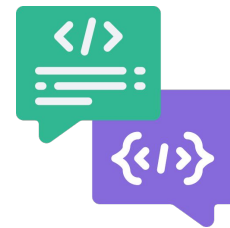
Event Listeners

- Event Listeners allow JavaScript to register various event handlers on elements in an HTML page.
- The `addEventListener()` method attaches an event handler to the particular element.
- The `addEventListener()` method attaches an event handler to an element without overwriting existing event handlers.
- You can add as many event handlers to one element.



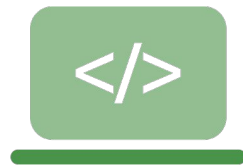
addEventListener() and removeEventListener()

- Code to explain addEventListener(): <https://jsfiddle.net/97wjc4qu/>
- To remove an event listener, use: `removeEventListener()` method.



Code explaining Event Listeners

- Explain the codepen link containing EventListeners: [Link](#)
- Whenever the mouse-cursor enters a specific colour in the palette, the `addEventListener()` function changes the circle's background with the colour of the palette on which the mouse is currently hovering.



Building the Todo App with Searching, Filtering, Editing and Deleting Features.

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- JSFiddle Link: <https://jsfiddle.net/t2uh9no5/3/>
- Here we are adding features like editing, deleting, searching, and filtering to our existing Todo App.

Count Character App

- JSFiddle Link: <https://jsfiddle.net/t2uh9no5/4/>

A screenshot of a web application's text input field. The field is a rectangular box with a blue border. Inside the box, the word "Unacademy" is written in a black, sans-serif font. Below the text, there are red dashed lines indicating the remaining space in the field. The text "Unacademy" is positioned at the beginning of the field, leaving a significant portion of the space empty.

11 characters left

Practice Code

- Add Priority Colour (of your choice) to each of the notes in the Todo App to prioritize tasks.



Assignments

- Provide an option to apply Priority Colours to each of the notes in the Todo App.
- Add an option to attach pictures to the notes in the Todo App.



Thank You

In the next lecture, we will learn about principal concepts of functional programming and how we can apply them to JavaScript applications.