

# Lesson - 20

Practicing Events and DOM  
Implementing Todo list



# Lesson Plan

- Discuss HW
- Simple Todo List implementation

# Todo Requirements

1. Create a input field and with a button ADD that will allow you to create new todo item
2. Add remove functionality to item
3. Add a possibility of marking an todo item as completed (done)
4. \*Add a counter of characters for todo input value
5. \*Add a counter of total todo's items, place it at top of the list
6. \*Add a counter of completed todo's versus total todo's

# Todo Mock

Our awesome TODO List

Add

☐

Todo text

X

☐

Second Todo text

X

☒

Another todo

X

# What we will use

## 1. DOM Manipulations

1. Create element
2. Remove
3. classList
4. Closest

## 2. Events

1. addEventListener
2. Delegation pattern

# Learning Resources

1. Styles and Classes: <https://javascript.info/styles-and-classes>
2. Intro to browser event <https://javascript.info/introduction-browser-events>
3. Bubbling and capture: <https://javascript.info/bubbling-and-capturing>
4. Event Delegation: <https://javascript.info/event-delegation>

# Home Work

1. Create a page, on which clicking on the button 'First', 'Second', 'Third', will change text on the page from 'Please click on any button' to 'You clicked First button', or 'You clicked Second button' и 'You clicked Third button'.

## Events home work



Please click on any button

2. By clicking on the button, console log, the following information: tagName, event phase (example bubbling)
3. Advanced: Use event delegation principle