

DOM Manipulation and JavaScript Events Week: Todo List

1. Master - JavaScript DOM Manipulation as well as JavaScript Events

By the end of this week, you should **MASTER** these topics:

- Relationship between JavaScript and HTML
- How HTML and JavaScript work together
- The browser and how it renders a web page
- The DOM Object and the DOM tree
- DOM manipulation:
 - ◆ selecting/finding HTML elements and their contents using JavaScript methods
 - ◆ adding/altering HTML elements, their contents and attribute values using JavaScript methods
 - ◆ HTMLCollection vs NodeList
- JavaScript events and event types
- Event handling and the three steps involved during an event handling
 - ◆ Selecting an element where we want to respond when event occurs
 - ◆ Binding an event to event handler function
 - ◆ Attaching a script to instruct browser what to do when event happens
- Three ways of binding an event
 - ◆ HTML event attributes
 - ◆ Traditional DOM event handlers/assign events to HTML element
 - ◆ DOM level 2 event listeners
- Preventing/ halting default behaviors

By the end of last week, you should have already watched the class videos on “**JavaScript DOM Manipulation**” and “**JavaScript Events**”. You should have also listed out all of your questions.

1.1. Start by working on the practice questions (5 hrs)

- Instructions on how to complete the questions is found here:
 - [Link to your homework](#)
- Try the homework on your own first and discuss it with your groupmates
- List out the parts you don't understand and ask your groupmates when you meet in groups

1.2. Complete the DOM Manipulation and JavaScript Events checklist (1 hr)

- [JavaScript DOM Manipulation Checklist](#)
- [JavaScript Events Checklist](#)
- Mark the ones you understood as complete, and list out the parts you didn't understand for further discussion

1.3. Before you meet your instructors in the group discussions

- Meet with your groupmates before the group sessions with Evangadi instructors. (Please take the lead in inviting everyone for discussion)
- Try to discuss the questions you have with your groupmates

1.4. Attend the 2 group meeting sessions with your instructors (4 hrs)

- Discuss the remaining questions you have prepared
- Turn your camera on, share your screen and participate

2. Prepare for next week - jQuery and Asynchronous JavaScript

2.1. Watch the “jQuery” lecture videos (3hrs).

- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions for the lecture session

2.2. Watch the “Asynchronous JavaScript” lecture videos (1.1hrs)

- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions for the lecture session

2.3. Attend the “jQuery” and “Asynchronous JavaScript” live lectures (4hrs)

- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side