



HTML5

Drag and Drop API

Fundamentals

Week 2 – Full-Stack DPP Course



Welcome

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Part 1 Outline

- The HTML5 Drag and Drop API
- Define Elements
- Default Behaviour
- Drag and Drop Events
- Understanding the code
- Hands-on Practice



Part 1 Learning Objectives

- Learners would have a good understanding of:
 - What is HTML5 Drag and Drop
 - The Drag Source and Drop Target
 - How to Cancel the Default Browser Behaviour
 - Drag and Drop Events
 - How to Distinguish Drag Source Events and Drop Target events
 - The core HTML5 Drag and Drop code syntax



Define Elements

First, you need to define your elements as:

DRAG SOURCE

DROP TARGET



Default Behaviour

One important RULE, you **MUST CANCEL** the **DEFAULT BEHAVIOUR** on drop target:

**Cancel Default
Behaviour on
Drop Target**

**To allow the
Drop Action to
Execute**



Default Behaviour

The reason for that is to keep pages secure.

```
var drop = function(ev) {  
    if (ev.preventDefault) {  
        ev.preventDefault();  
    }  
  
    // code goes here for drop  
    return false;  
};
```



Drag and Drop Events

The Drag and Drop **FUNCTIONALITY** is a **DRIVEN BASED OF EVENT**.

dragstart

drag

dragover

drop

dragleave

dragenter

dragend



Drag and Drop Events

Drag Source

dragstart

drag

dragend

Drop Target

dragenter

dragover

dragleave

drop



Hands-on Practice

Let's practice with two examples.

w3schools

The case study



Resources

- Sample code from the case study
- Use the links below to view Drag and Drop examples, sample code and video tutorial.

**HTML5 Drag & Drop
API - w3schools**

**HTML5 Drag & Drop
API - MDN**

Drag & Drop Demo

Pluralsight Tutorial



Download Files

Login into your VLE, look for HTML5 and CSS3 folder.
Inside the folder click on HTML5 Drag and Drop API.

or

Access my GitHub account and download the
HTML5 Drag and Drop API folder.

GitHub Account

