

## Drag and Drop

- Drag and Drop (DnD) is powerful User Interface concept which makes it easy to copy, reorder and deletion of items with the help of mouse clicks. This allows the user to click and hold the mouse button down over an element, drag it to another location, and release the mouse button to drop the element there.
- To achieve drag and drop functionality with traditional HTML4, developers would either have to either have to use complex JavaScript programming or other JavaScript frameworks like jQuery etc.
- Now HTML 5 came up with a Drag and Drop (DnD) API that brings native DnD support to the browser making it much easier to code up.

```
<!DOCTYPE html>
<html>
<head>
    <style type="text/css">
        #boxA, #boxB {
            padding: 10px;
            margin: 10px;
            -moz-user-select: none;
        }

        #boxC {
            background-color: #6633FF;
            width: 75px;
            height: 75px;
        }

        #boxA, #boxB {
            padding: 10px;
            margin: 10px;
            background-color: #FF6699;
            width: 150px;
            height: 150px;
        }
    </style>
    <script type="text/javascript">
        function dragStarted(ev) {
            ev.dataTransfer.effectAllowed = 'move';
            ev.dataTransfer.setData("Text", ev.target.id);
        }

        function dragOver(ev) {
            ev.preventDefault();
        }
    </script>
</head>
<body>
```

```
function dropped(ev) {
    ev.preventDefault();
    var src = ev.dataTransfer.getData("Text");
    ev.target.appendChild(document.getElementById(src));
}
</script>
</head>
<body>
    <center>
        <h2>Drag and drop HTML5 demo</h2>
        <div>Try to move the purple box into the pink box.</div>

        <div id="boxA"
            ondrop="dropped(event)"
            ondragover="dragOver(event)">BinA</div>

        <div id="boxB"
            ondrop="dropped(event)"
            ondragover="dragOver(event)">BinB</div>

        <hr/>
        <div id="boxC" draggable="true"
            ondragstart="return dragStarted(event)">
            <p>Drag Me</p>
        </div>

        
    </center>
</body>
</html>
```