

4.4.4 Make the Elements Draggable

Let's start by introducing the `draggable` attribute, which allows elements to be dragged. This HTML5 feature creates a translucent representation of the element in the UI that follows the pointer as long as the mouse button is held down or the touchpad is pressed. The release of the button or touchpad acts as the drop part of this action.

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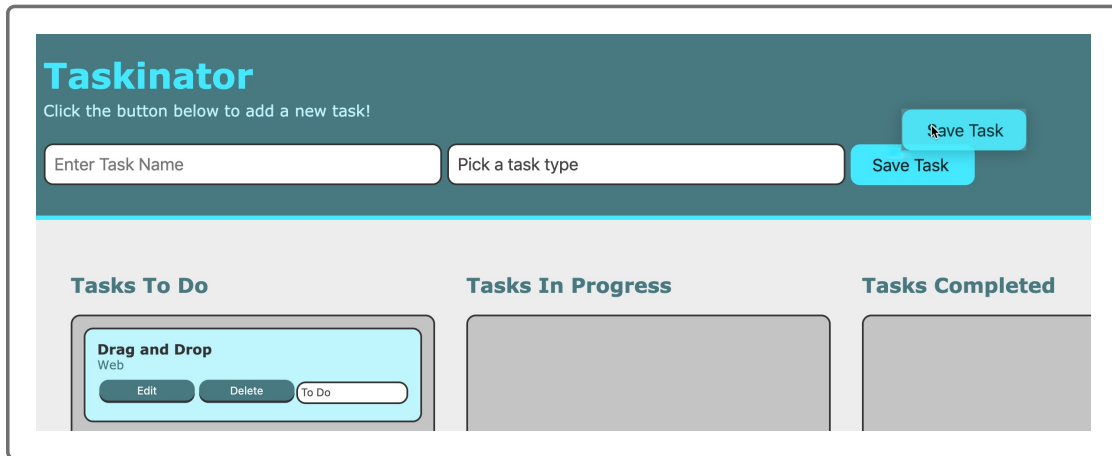
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To learn more about HTML5, see the [Wikipedia article about HTML5](https://en.wikipedia.org/wiki/HTML5) [_\(https://en.wikipedia.org/wiki/HTML5\)_](https://en.wikipedia.org/wiki/HTML5).

Add the `draggable` attribute to the opening tag of the button element in the `index.html` file:

```
<button class="btn" id="save-task" type="submit" draggable="true">
```

To see the `draggable` attribute in action, save the file and refresh the browser:



Because the elements we want to drag (the task items) are dynamically created, we need to use JavaScript to add this attribute.

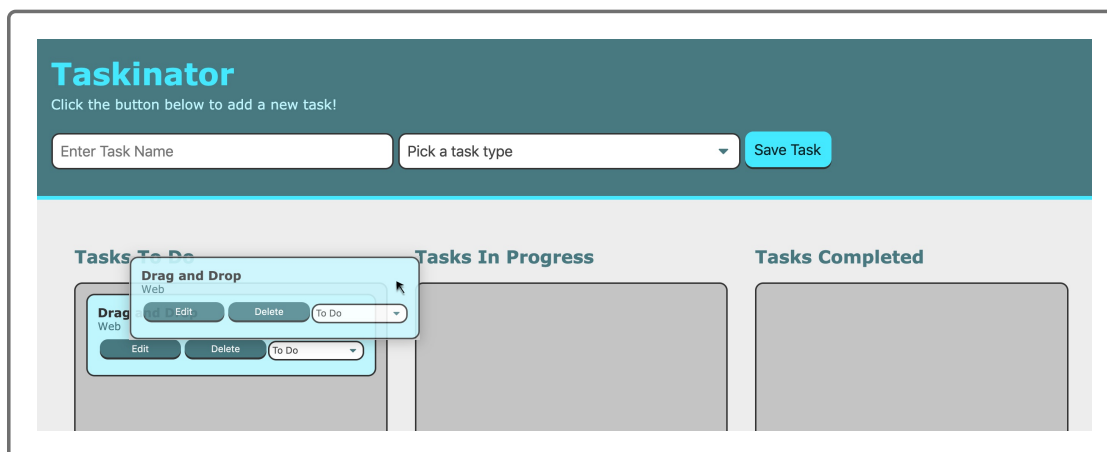
Add the `draggable` attribute in the `createTaskEl()` function under the `listItemEl.setAttribute("data-task-id", taskCounter)` expression:

```
listItemEl.setAttribute("draggable", "true");
```

The equivalent HTML of the expression above should create the following HTML:

```
<li draggable="true" ... >
```

Let's verify that we are dynamically adding the `draggable` attribute by saving this file and refreshing `index.html` in the browser. Click on the task item and drag it, as shown here:



The ghost-like image of the task item element reveals that we have succeeded in making it draggable! However, when we release the mouse button or take our finger off the trackpad, the task item bounces back to its original location.

So how do we attach our element to the new location? It's no coincidence that this feature is called a "drag-and-drop." It involves multiple actions—not just the dragging of the element, but also the dropping of the element on the drop zone.

Next up, we will learn how to capture both the drag behavior and the drop behavior by using browser events called `dragstart` and `drop`.