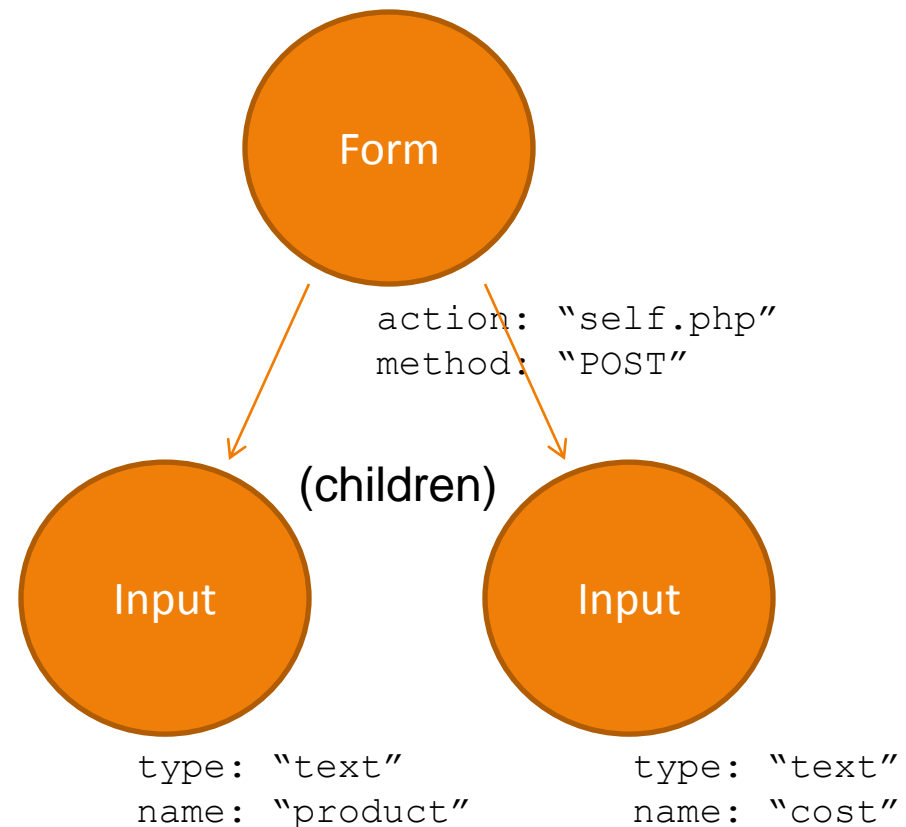# Document Object Model (DOM)

- Manipulating HTML
  - Could actually alter the HTML text and re-render
  - Much better: programmatic *model* of the page

- Document Object Model
  - The *document object model* is a now-standard way to model the HTML elements on the page
  - Works the same for XML and (X)HTML

Document Object Model (DOM)

- The DOM is a hierarchical model of nodes
  - Each node can have attributes
  - Each node can contain other nodes

```
<form action="self.php" method="POST">
    <input type="text" name="product">
    <input type="text" name="cost">
</form>
```

Document Object Model (DOM)

- Access from scripts
  - Modern web browser rendering engines *reflect* the DOM as scriptable objects
  - Any script running on the page has access to global variables
    - *document* – root of the html
    - *window* – handle to the browser window, with attributes such as size, position and the location bar