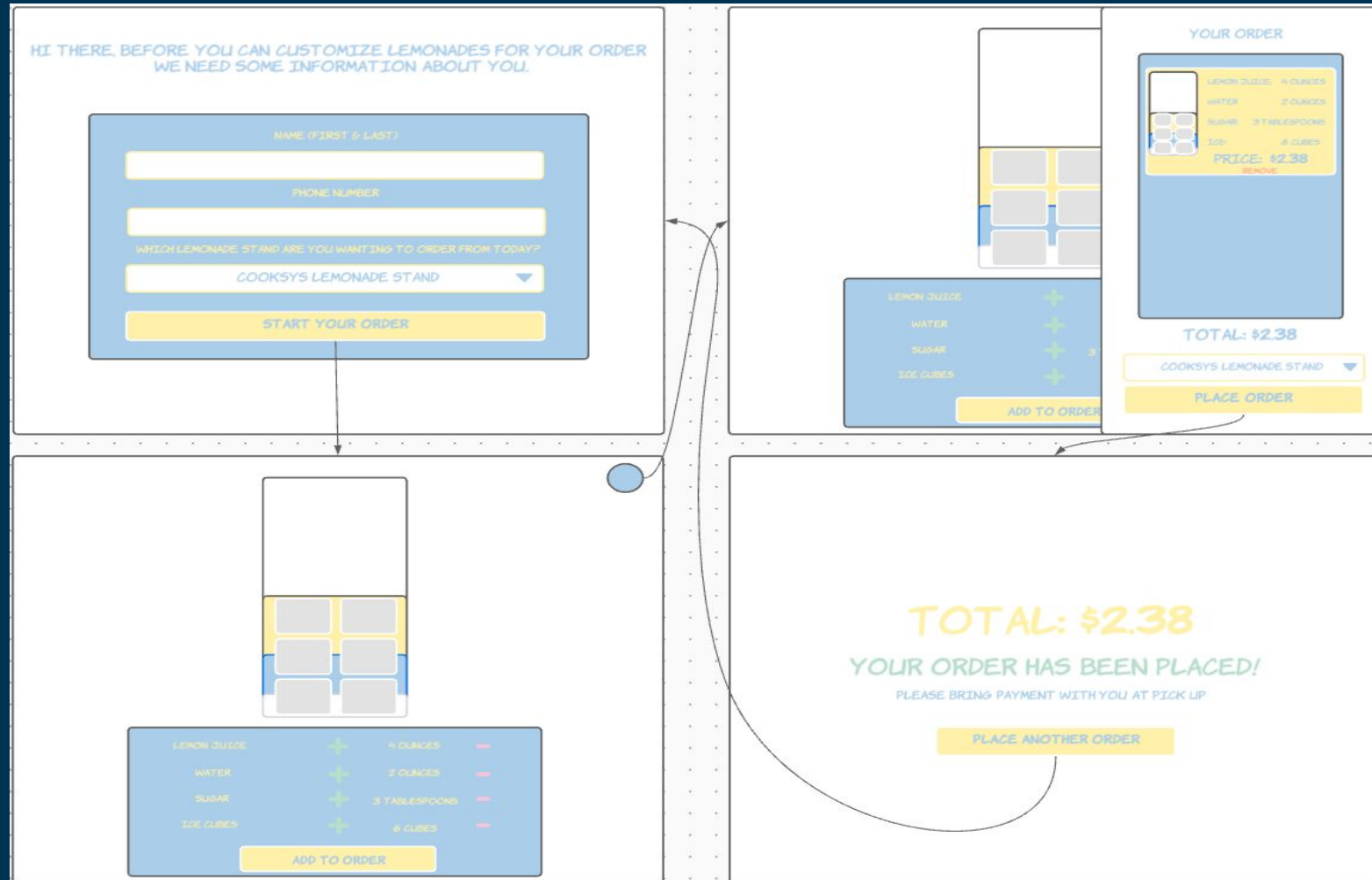# JavaScript in the browser

The basics of JavaScript on the web

Our Wireframe

Document object model (DOM)

Accessed using the document object

HTMLElement
reference to DOM node

HTMLCollection
live generic collection of Element nodes

NodeList
generic collection of any nodes

DOM Manipulation

- **Elements/Nodes** have properties and methods
- **document** is the root node of the HTML document
- Changes to the document or elements within it are reflected on the page

Events

Events

Examples

click
onload
hover
input
submit
onkeypress, onkeydown

Event Listeners

HTML INLINE
LISTENERS – DON'T

ADDEVENTLISTENER()
- PREFERRED

Capturing and bubbling

- Capturing
  - Trickles down from outer-most element
- Bubbling
  - Bubbles up from inner-most element