



Module 4 Day 7

Data Binding

Vue Components – JS Properties

- `data()`
 - Function that returns an object that contains the component's "properties"
- `computed`:
 - An object full of functions that return computed values and then are treated as property getters on the component
- `props`:
 - An object with properties for data that is passed in from the "parent" component when created
- `methods`:
 - An object full of functions to be treated as methods on the component

Data Binding

- Linking a data property of a component to a specific HTML element
- One-way (Simple): Component data is viewed in the UI {{ }}
- Two-way: Component data is viewed and updated from the UI (v-model)
- v-model modifiers
 - .lazy – update after focus is lost
 - .number – assign the property as a number instead of string
 - .trim – trim whitespace from before and after a string input

Loops (v-for)

- Arrays
 - v-for="item in items"
 - v-for="(item, index) in items"
- Objects
 - v-for="value in object"
 - v-for="(value, key) in object"
 - v-bind:key="uniqueValue"
- Integer
 - v-for="n in integer"
 - Sets n = 1 to integer in a loop
 - That's right, it starts at 1!

Binding DOM Attributes (v-bind)

- v-bind:class = {
 'class1' : Boolean-expression,
 'class2' : Boolean-expression
}
- v-bind:style = {
 'color' : barColor,
 'width' : barValue + 'px'
}
- v-bind:disabled="Boolean-expression"

Conditional Display

- v-if: completely removes the element (and its children) from the DOM
 - v-else-if
 - v-else
- v-show: Changes the display: attribute and leaves the element in the DOM

Generally speaking, v-if has higher toggle costs while v-show has higher initial render costs. So prefer v-show if you need to toggle something very often, and prefer v-if if the condition is unlikely to change at runtime. - <https://vuejs.org/v2/guide/conditional.html>