



# Module 4 Day 8

## Vue Event Handling

# 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

# Event Handling (v-on)

- `v-on:event-name="methodCode"`
- Shortcut is
  - `@event-name="methodCode"`
  - Incidentally, shortcut for v-bind is ":". E.g.,
    - `:class="{ 'completed' : completed }"`
- Modifiers
  - Keyboard events: get handle only a special key
    - `v-on:keyup.esc="handleEscapeKey"`
    - `.enter`, `.tab`, `.esc`, `.delete`, `.space`, `.up`, `.down`, `.left`, `.right`
  - Mouse event: handle only click or right-click
    - `v-on:click.right="showContextMenu"`
    - `.left`, `.middle`, `.right`
- More modifiers at <https://vuejs.org/v2/guide/events.html#Event-Modifiers>

# v-on Method Calls

- Inline code
  - `v-on:click="console.log('Clicked!')"`
- Method name
  - `v-on:click="handleClick"`
  - Method `handleClick` called, and the event object passed in implicitly
- Method invoke (call)
  - `v-on:click="handleClick('message', parameter2, $event)"`
  - `$event` is a special variable that holds the Event object

# Even more v-on modifiers

- `.prevent`
  - Same as calling `event.preventDefault()` in the event handler
  - Prevents the default behavior (e.g., for form submit or click on an anchor tag)
- `.stop`
  - Same as calling `stopPropagation()` in the event handler
  - Stops "bubbling" an event to each successive parent for handling
- `.once`
  - Un-registers the event handler after the event has been handled one time
  - Maybe a submit button after a post?