Vue Concepts Definitions

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1. **Computed Properties and Watchers**

Computed props are used to compose data from other data and also allow easier access to nested data.

Watcher allows the tracking of property on a component and run a function whenever it changes. The most common use of it is in creating side effects.

<u>Computed props vs watchers</u>

Computed Props	Watchers
More declarative.	Less declarative.
Should be pure.	-
Create new reactive properties.	Only call functions.
Can react to changes in multiple props.	Only watch one at a time.

Taken from [reading](#).

2. **Class and Style Bindings**

A common need for data binding with special enhancements of v-bind used for class list and inline styles manipulation.

Taken from [reading](#).

3. **Conditional Rendering**

The ability to control whether or not template code is rendered.

There are two ways to conditionally render parts: v-if and v-show.

Taken from [reading](#).

4. **List Rendering**

Vue concept with a built-in Vue directive (v-for) that lets us include a loop inside of our template, repeating the rendering of a template feature for each item in an array.

Taken from [reading](#).

5. **Event Handling**

Vue provides the v-on directive which allows us to listen for and customize DOM events on our HTML elements by providing it with the name of the event.

Using the v-on directive we can listen for the click event on a button and increment a simple counter that tracks the amounts of clicks.

Taken from [reading](#).

6. **Form Input Bindings**

Vue.js provides a v-model directive that can be used to create two-way data bindings on form inputs, text, textarea, and select fields.

The v-model directive automatically picks the correct way of updating the element according to the input type. It provides two-way data binding by binding the input text element and the value binded to a variable assigned.

Three types of form input binding:

- Textarea

- Radio and Select

- Modifiers

Taken from [reading](#).

7. Components Basics

Components are the most powerful features of Vue, it helps to extend basic HTML elements to encapsulate reusable and more readable code.

Taken from [reading](#).