

Basic Vue Forms

BUILDING FORMS WITH VUE



Shawn Wildermuth

MICROSOFT MVP, SPEAKER AND INSTRUCTOR

@shawnwildermuth <http://wilder minds.com>



Course Overview



Building Forms with Vue

- Creating Forms
- Model Binding
- Composition of Forms
- Error Handling
- Validation



Course Overview



Building Forms with Vue

- Vue 3
- Composition API
- Vuelidate



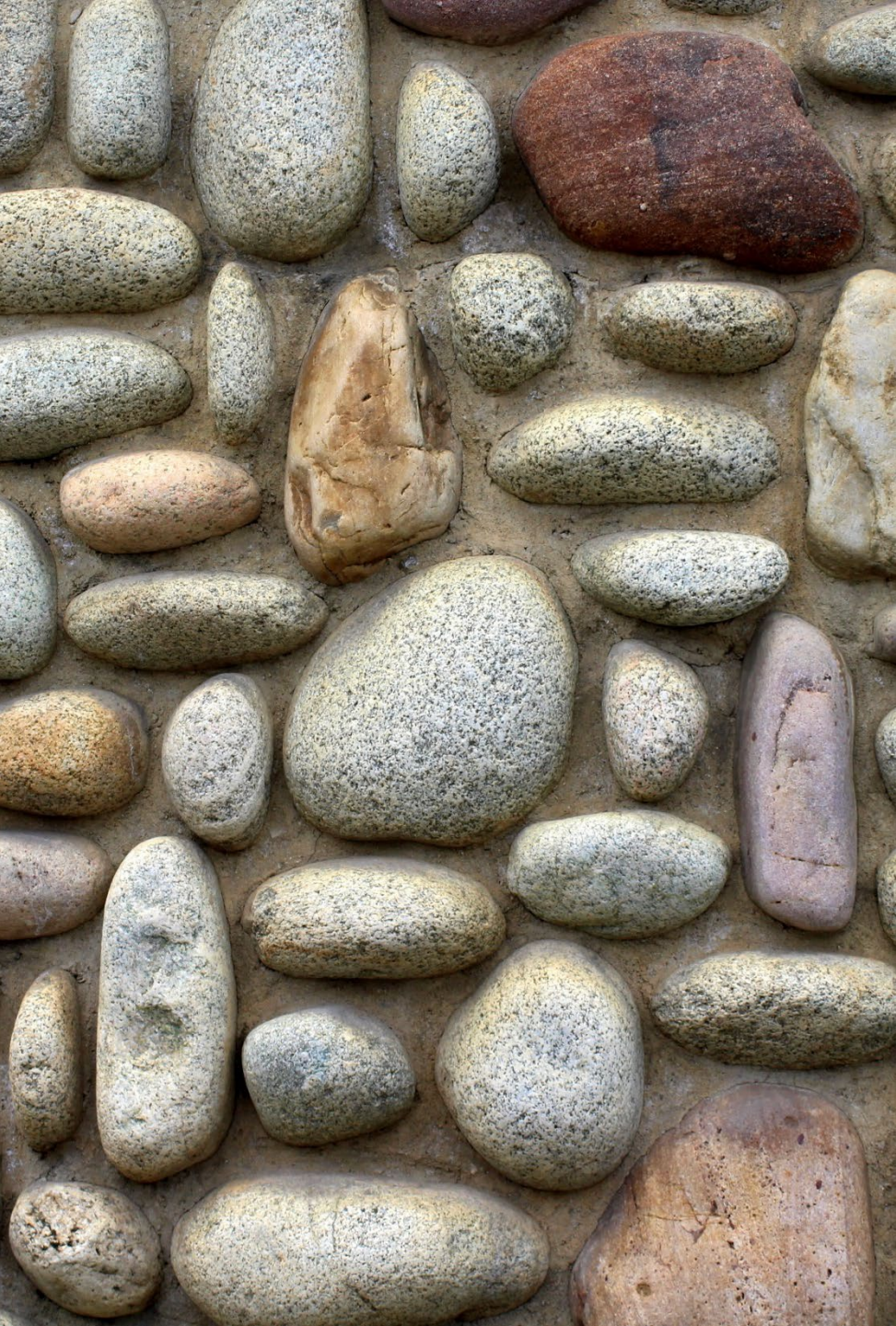
Overview



Basic Vue Forms

- How HTML Forms Work
- Why use SPAs for Forms?
- Introducing Model Binding
- Formatting Data





How HTML Forms Work

- Standard way to get user input
- A limited set of controls
- Usually skinned by CSS
- Vue Forms extends these controls



HTML Forms

```
<form>
  <label>Name</label>
  <input type="text" />
  <input type="email" />
  <input type="password" />
  <input type="checkbox" />
  <input type="radio" />
  <select>
    <option>First</option>
  </select>
  <textarea />
</form>
```



A conceptual image featuring a computer monitor and mouse on a blue grid background. The monitor displays a list of categories: Groups, Video, Sport, Movies, Music, Shopping, Tech, Travel, TV, Radio, and Sports. The mouse is a simple, light-colored design. The background is a deep blue with a white grid pattern. Various text labels are floating in the air, including 'Video', 'Music', 'Finance', 'Groups', 'Sport', 'Movies', 'Tech', 'Travel', 'TV', 'Radio', and 'Sports'. The overall aesthetic is futuristic and digital.

- Usually, HTML Forms send data
- Method and action specifies
- Vue Forms will do this in code
- Need to prevent



Why Vue for Forms

- More work than simple HTML Forms
- Better user experience
- No round-trips to detect bad data
- Improves follow-through from users



Demo



Getting Started



Demo



Your First Form



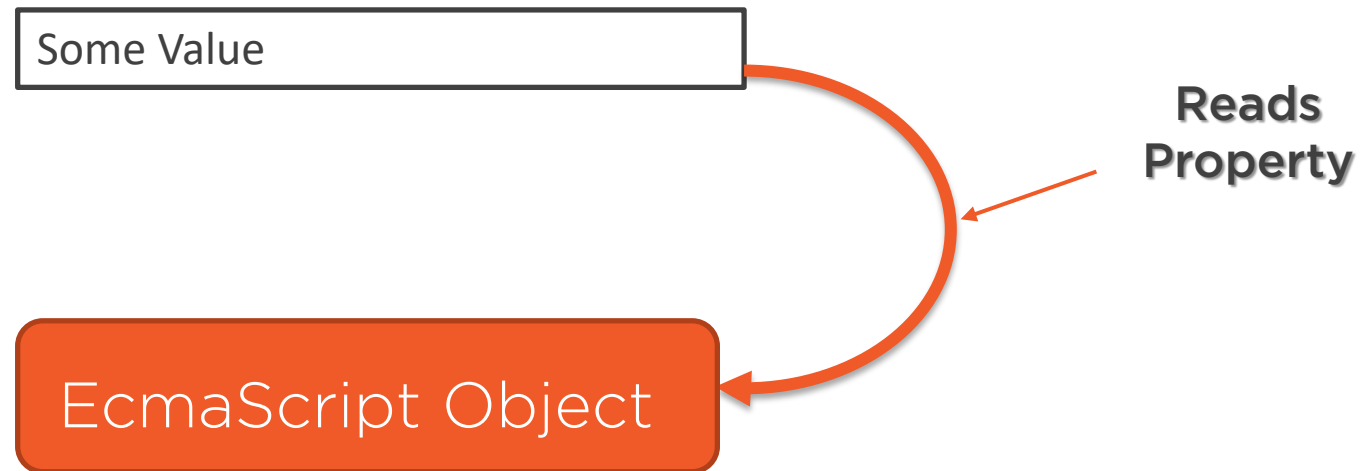
A close-up photograph of several plant stems, likely from a succulent, showing green and yellowish-green hues with some water droplets. The stems are in sharp focus in the foreground, while the background is blurred.

Quick Review of Vue Binding

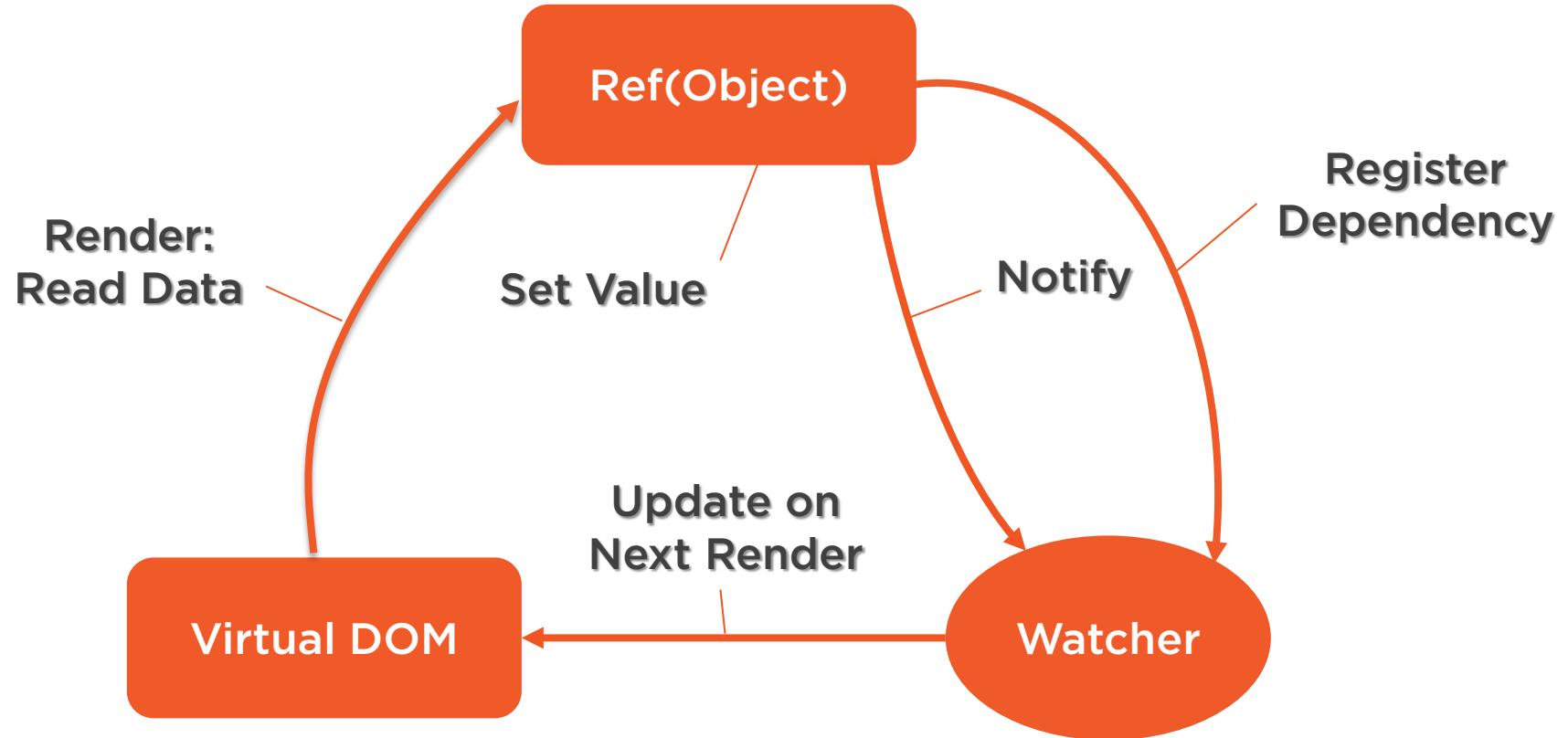
- Vue uses declarative bindings
- Including event and attribute binding
- Bindings typically are reactive



Simple Binding



Reactive Binding



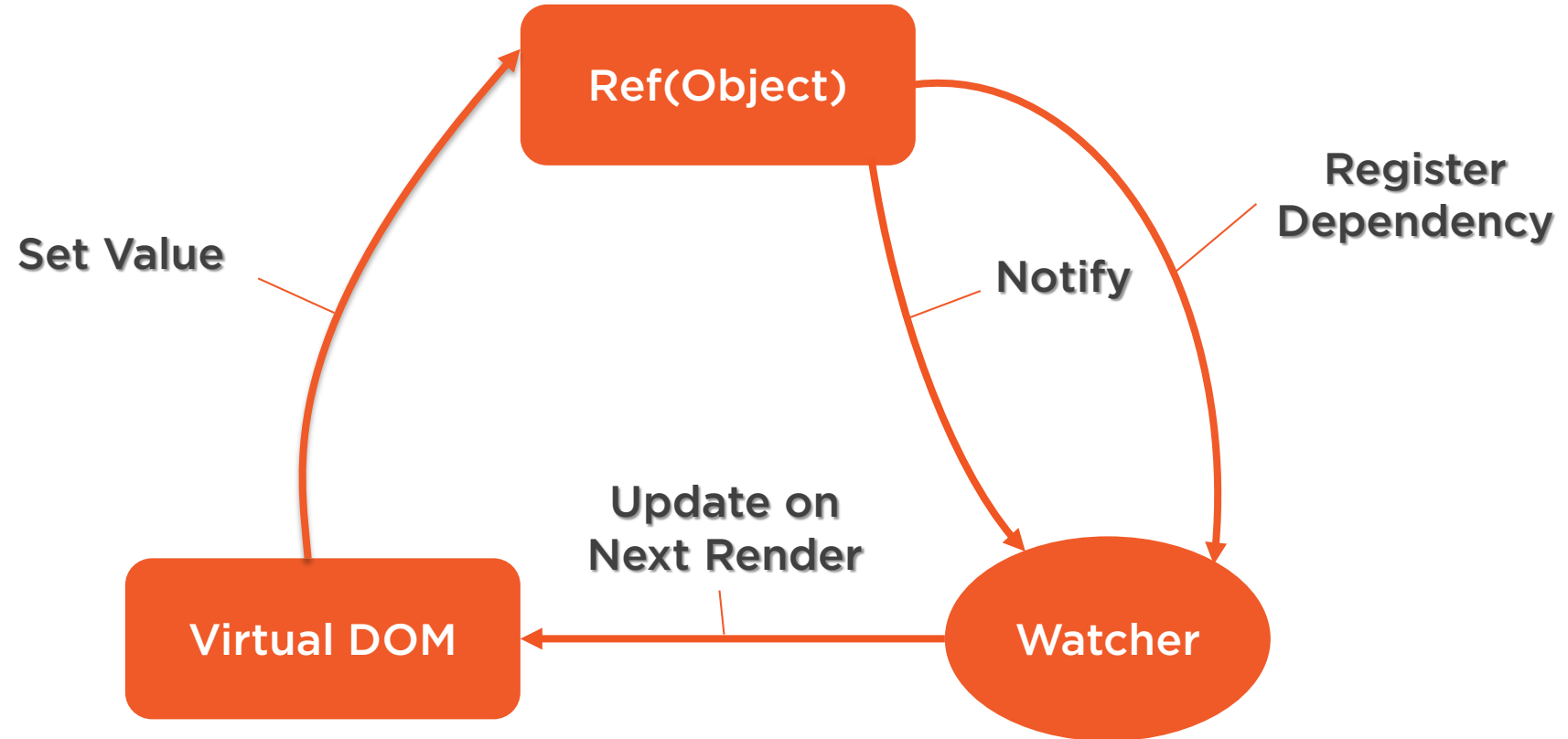


Model Binding

- Bi-Directional Binding
- Relies on Ref/Reactive wrappers
- Follows Child Components



Model Binding



Demo



Model Binding



Demo



Handling Events



Demo



Formatting Data



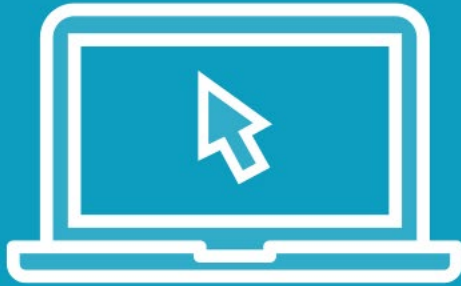
Demo



Other Uses for Data Binding



Demo



Finalizing the Form



What We've Learned



Model binding is at the center of handling forms in Vue



There are multiple kinds of data to bind to forms



Formatting data is as simple as defining functions



Up Next:

Building Complex Forms

