

Binding with Forms in Vue.js



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Overview



Use input bindings

Modify bound values

Defer binding values



Using Input Bindings



v-model

Text fields

Checkboxes

Radio buttons

Drop down lists



input
textarea

Binding to Text Fields



```
<input v-model="query" placeholder="Search...">
```

Binding to Input Elements

v-model in action



```
var growler = new Vue({  
  el: '#growler',  
  data: {  
    appName: 'Growler',  
    query: ''  
  }  
});
```

```
<div id="growler">  
  <input  
    v-model="query"  
    placeholder="Search...">  
  <br />  
  
  <div>Searching for: {{ query }}</div>  
</div>
```



Textual Input Types Supported

color	range
date	search
datetime-local	tel
email	text
month	time
number	url
password	week



<https://github.com/ecofic/course-vue-getting-started>



Text Area

Used to collect multi-line text input



```
<textarea v-model="emailMessage">  
</textarea>
```

Binding to Text Areas

Collecting multi-line text input



Vue doesn't support mustaches for binding in a textarea



Binding to Checkboxes

Choose a single value

Create a checkbox list



v-model

Binding to a single value



Related Pluralsight Course:
Adding Search Abilities to your Apps with Azure Search



```
<input type="checkbox" v-model="isPowerSyntaxEnabled">
```

Checkboxes

Binding to a single value



Binding to Multiple Values with a Checkbox List



```
var growler = new Vue({
  el: '#growler',
  data: {
    isPowerSyntaxEnabled: false,
    searchIndexes: []
  }
});
```

```
<div id="growler">
  <label>
    <input
      type="checkbox" value="beers"
      v-model="searchIndexes">
    Beers
  </label>
  <br />

  <label>
    <input
      type="checkbox" value="breweries"
      v-model="searchIndexes">
    Breweries
  </label>
  <br />

  <small>
    selected: {{ searchIndexes }}
  </small>
</div>
```



Binding to Radio Buttons

Choose one of several options




```
var growler = new Vue({  
  el: '#growler',  
  data: {  
    searchIndex: 'beers'  
  }  
});
```

```
<div id="growler">  
  <label class="form-check-label">  
    <input  
      type="radio" value="beers"  
      v-model="searchIndex">  
    Beers  
  </label>  
  
  <label class="form-check-label">  
    <input  
      type="radio" value="breweries"  
      v-model="searchIndex">  
    Breweries  
  </label>  
</div>
```



Binding to Drop-Down Lists

`select element`

Make single
choices

Make multiple
choices



```
var growler = new Vue({  
  el: '#growler',  
  data: {  
    selectedSearchIndex: 'beers'  
  }  
});
```

```
<div id="growler">  
  <select v-model="selectedSearchIndex">  
    <option value="beers">Beers</option>  
    <option value="breweries">  
      Breweries</option>  
    <option value="distilleries">  
      Distilleries</option>  
    <option value="pubs">Pubs</option>  
  </select>  
  
  <small>  
    selected: {{ selectedSearchIndex }}  
  </small>  
</div>
```



```
var growler = new Vue({
  el: '#growler',
  data: {
    selectedSearchIndexes: [
      'beers',
      'pubs'
    ]
  }
});
```

```
<div id="growler">
  <select multiple
    v-model="selectedSearchIndexes">
    <option value="beers">Beers</option>
    <option value="breweries">
      Breweries</option>
    <option value="distilleries">
      Distilleries</option>
    <option value="pubs">Pubs</option>
  </select>

  <small>
    selected: {{ selectedSearchIndexes }}
  </small>
</div>
```



Modifying Bound Values



Modifiers

Trim string values

Convert input values to numbers



trim Modifier

**Removes
whitespace**

**Removes leading
and trailing
whitespace**

**Includes spaces,
tabs, and
line breaks**



```
<input v-model.trim="query" placeholder="Search...">
```

trim Modifier

Removes whitespace entered by the user



number Modifier

Tries to cast user
input to a number

HTML elements
return values
as strings

Tries to get a
Number object



```
<input v-model.number="result" placeholder="2+3=">
```

number Modifier

Casting user input to a number



Lazily Binding Values



HTML onchange event

Fires when an **input** element's value is modified

Fires after an input element has lost the focus



Comparing Binding Behaviors

oninput

(video appears here)

onchange

(video appears here)



```
<input v-model.lazy="query" placeholder="Search...">
```

lazy Modifier



Modifiers describe the behavior of a binding



```
<input v-model.lazy.trim="query" placeholder="Search...">
```

Using lazy and trim Modifier

Chaining modifiers together



Summary



Lazily bind to form values

Modify bound values

Using input bindings