



Module 4 Day 9

Vue Nested Components

Components, Components, Components

- Usually multiple components make up an application
- Components are "nested" or "used by" other components
 - Even the single components we have been created are inside of App.vue
- Inbound communication (parent to child) is accomplished by "props"
- Outbound communication (child to parent) is done with events
 - Event name plus event data

Inbound Data: Props

- On the "receiving" component (Child)
export default {
 props: {
 title: String,
 search: String,
 todos: Array
 }, ...
 • Props properties can be used like data or computed properties
- On the "sending" component (parent)

```
<todo-list title="My Personal Todo's" v-bind:todos="personal" v-bind:search="search"></todo-list>  
<todo-list title="My Household Todo's" v-bind="{todos: household, search: search}"></todo-list>
```

- Attribute-style to send a hard-coded value (title)
- V-bind to bind attribute to a data property of the parent
- Note object-style binding of multiple props

Outbound Data: Events

- Components can raise custom events with \$emit
- Event includes a custom event name and custom event data
- On the "sending" component (Child)
this.\$emit('filter-tasks', this.searchString);
- On the "receiving" component (Parent)

<todo-search v-on:filter-tasks="handleSearch">

```
methods: {  
  |   handleSearch(ss) {  
  |     |   this.search = ss;  
  |     |  
  |     }  
  |  
  }  
}
```