



# Props and Slots, Reusing components



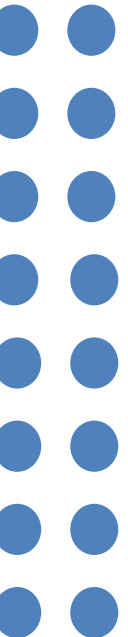
# LESSON OBJECTIVES

- 
- Understand the usage of props and slots within Vue
  - Understand how to effectively reuse components
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# Props and Slots

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- Pass data from the parent component to the child components.
- It makes components more reusable. No need to hard code.
- You can reuse the component with data.
- Slots are useful for passing custom templates into components. You do not use slots to pass data.



# Props Syntax

- Parent Component: title="My J..."
- Child Component: props:["title"]
- {{title}}

Parent Component

```
<prop-comp title="My journey with Vue"/>
```

Child Component

```
<template>
  ⚡ <h1>{{ title }}</h1>
</template>

<script>
  export default {
    props: ['title']
  }
</script>

<style>

</style>
```



# Slot Syntax

- `<prop-comp></prop-comp>`
- `<slot></slot>`

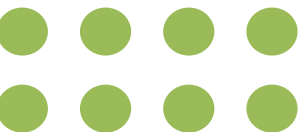
Parent Component

```
<prop-comp >
  <h1>My journey with Vue</h1>
</prop-comp>
```

Child Component

```
<template>
  1 reference
  <slot>Default Text if slot text does not exist</slot>
</template>

<script>
export default {
  }
</script>
```



# Named Slot Syntax

- `<template #heading></template>`
- `<slot name="heading"></slot>`

## Parent Component

```
<prop-comp >
  <template #heading>
    <h1>My journey with Vue</h1>
  </template>
  <template #mainContent>
    <h4>Main content goes here</h4>
  </template>
  <template #default>
    <h4>When there is a slot with no name it's name is
    default</h4>
  </template>
</prop-comp>
```

## Child Component

```
<template>
  1 reference
  <slot name="heading">Default Text if slot text does
  not have a heading</slot>
  1 reference
  <slot name="mainContent">Default Text if slot text
  does not have mainContent</slot>
  1 reference
  <slot>Default Text if slot text does not exist</slot>
</template>
```

