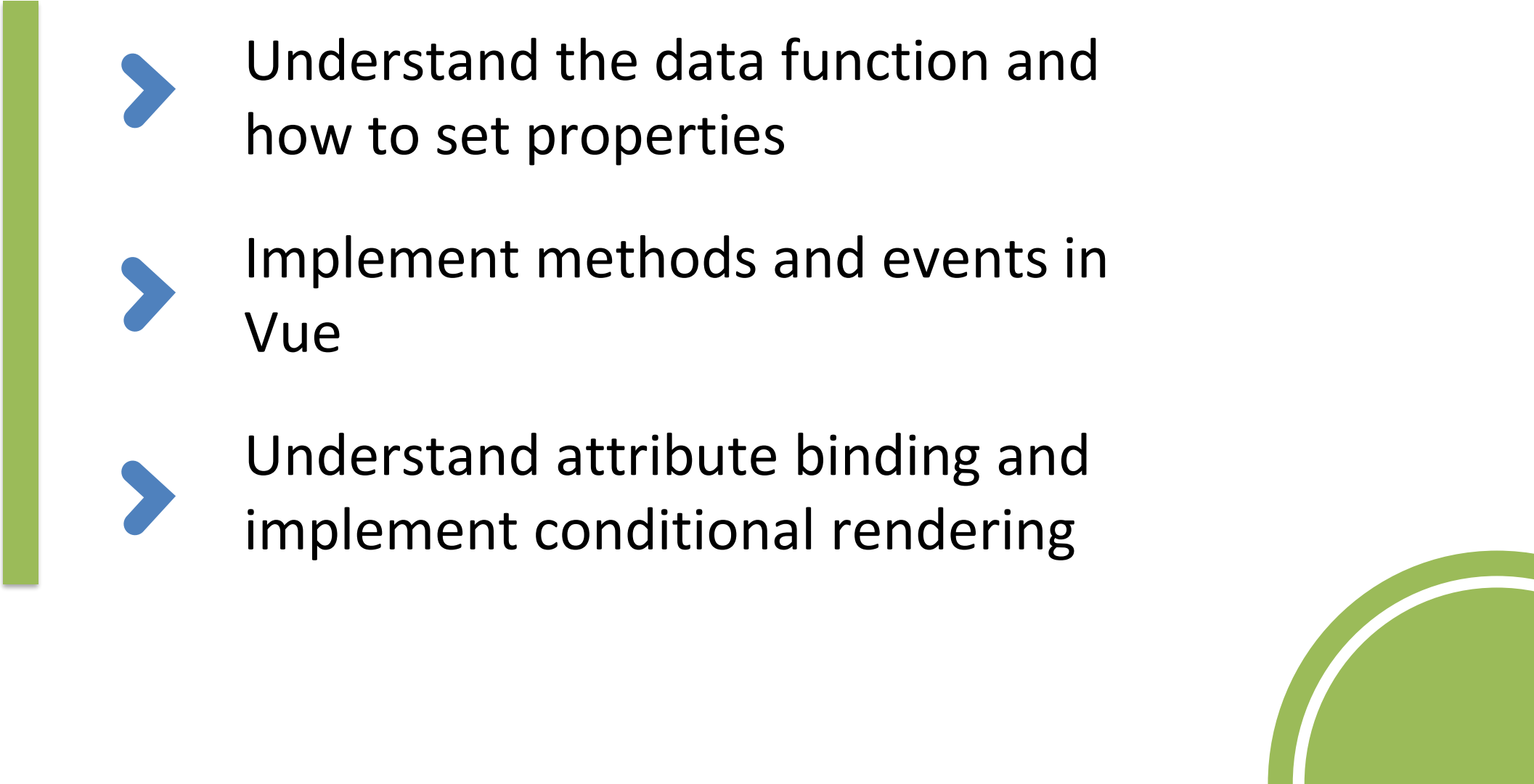


Templates, Data fx, Methods and Events



LESSON OBJECTIVES

- 
- Understand the data function and how to set properties
 - Implement methods and events in Vue
 - Understand attribute binding and implement conditional rendering

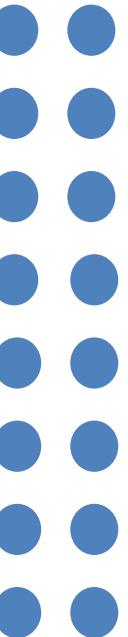
Data function

- Data function
- Text interpolation aka 'moustache syntax'

```
<template>
  <div>
    {{ name }}
  </div>
</template>
<script>
  export default{
    data(){
      return{
        name: "Johnathan"
      }
    }
  }
</script>

<style>

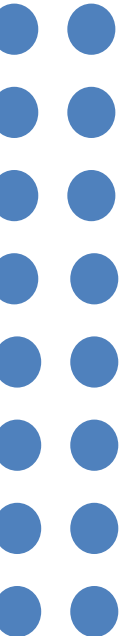
</style>
```



Methods and Computed

- methods()
- computed()

```
<template>
  <div>
    {{ name }}
    {{ message() }}{{ message2 }}
  </div>
</template>
<script>
  export default{
    data(){
      return{
        name:"Johnathan"
      }
    },
    methods:{
      message() {
        return 'Hello there'
      }
    },
    computed:{
      message2(){
        return 'You are awesome!!!!'
      }
    }
  }
</script>
<style>
</style>
</style>
```

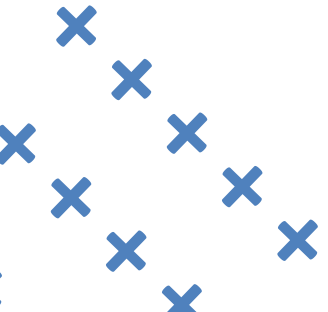


Events(Event Handling)

- `v-on:click = "changeMessage()"`
- `@click="increaseCount()"`

```
<template>
  {{ message }}
  <button v-on:click="changeMessage()">Change message</button>
  {{ count }}
  <button @click="increaseCount()" >Increase Count</button>
</template>

<script>
export default {
  data(){
    return{
      count:0,
      message: 'Hey there'
    }
  },
  methods:{
    changeMessage(){
      this.message = "Good Mornings"
    },
    increaseCount(){
      this.count += 1
    }
  }
}
```



Attribute binding

- :src = "url"
- v-bind:src= "url"

```
  

```

```
export default {  
  data(){  
    return{  
      count:0,  
      message: 'Hey there',  
      url: 'https://cdn.britannica.com/45/5645-050-B9EC0205/  
head-treasure-flower-disk-flowers-inflorescence-ray.jpg'  
    }  
  },  
}
```



Conditional Rendering

- v-if
- v-else
- v-else-if
- v-show

```
<template>
  <!-- {{ message }} ...

  <h1 v-show="show">Vue is Fast</h1>
  <h1 v-if="awesome">Vue is awesome!</h1>
  <h1 v-else>Oh no 😱</h1>
  <div v-if="type === 'A'">
    A
  </div>
  <div v-else-if="type === 'B'">
    B
  </div>
  <div v-else-if="type === 'C'">
    C
  </div>
  <div v-else>
    Not A/B/C
  </div>
</template>
```

```
<script>
export default {
  data(){
    return{
      // count:0, ...
      awesome: true,
      type:'A',
      show:true
    }
  },
  methods:{ ...
  }
}
</script>
```

