



# VueJS

Class 12 - Dynamic CSS to enable usability

# What are we doing?

- Ever looked at a list of events and wondered which one was for you?
- We are going to create a way to highlight or filter only what you are interested in
- Open the HTML template page named 'index.html'.

# Getting started

- Add the following to the body:
- ```
<div id="app" class="container">  
  <h2>{{ title }}</h2>  
  <ul>  
    <li v-for="band in bands"> {{  
band.name }}</li>  
  </ul>  
</div>
```

# Displaying a list

- We are going to display a list of band names for the festival. Let's create those bands in Vue, add these to a script tag before the close of the body:

```
• new Vue({  
  el: '#app',  
  data: {  
    bands: [{  
      name: 'Alvvays',  
      genre: 'Indie'  
    }, {  
      name: 'Deadmau5',  
      genre: 'EDM'  
    }, {  
      name: 'Stars',  
      genre: 'Indie'  
    }],  
    title: 'My Amazing Festival'  
  }  
});
```

# Style it up

- Inside the <head> add style tags and then add this inside:

```
• .container {  
    width: 50%;  
    margin: 20px auto 0px auto;  
}  
ul {  
    padding: 0;  
}  
ul li {  
    list-style-type: none;  
    margin: 5px;  
    padding: 5px;  
    background: #ccc;  
    transition: all 0.6s;  
}
```

- If you check the browser you will see the list display

# Filtering the genre

- Let's create a way to select different genre's by adding this under the title in the body:

- `<p>What kind of music do you want to see?</p>`

```
<label for="Indie">
```

```
  Indie
```

```
    <input type="radio" id="Indie" value="Indie" v-  
model="picked">
```

```
</label>
```

```
<label for="EDM">
```

```
  EDM
```

```
    <input type="radio" id="EDM" value="EDM" v-  
model="picked">
```

```
</label>
```

```
<p>Currently Highlighting: {{ picked }}</p>
```

# Filtering the genre

- This will place the value of “Indie” or “EDM” in the variable **picked**.
- It probably won't work right away, we need to add the **picked** variable to our data in the Vue code:
- ```
data: {  
    picked: '',  
    bands: [{  
etc, etc...
```
- Try this and it will display what you've picked from those radio buttons.

# How to make it highlight?

- Making it highlight is tricky, but before we solve that let's add a new CSS class to show the highlight:
- ```
.highlight {  
    background: #ceff00;  
}
```
- So we need to add this class whenever the selected genre matches the genre associated with the band - still quite a tricky thing to program



# Using it to bind CSS

- Add the part in red to the list element:
- `<li v-for="band in bands" v-bind:class="{ 'highlight': isSelected(band.genre) }"> {{ band.name }}</li>`
- This is calling a special function in Vue known as a method. The function is called '**isSelected**' and we pass in the current **band.genre**.
- The function will check if the radio button is the same as this and if so will return true.
- By returning true it adds the **highlight** CSS class.

# Add the method

- In the Vue code add a comma after the data closing bracket },
- Now add this method:
- ```
methods: {  
    isSelected: function(genre) {  
        if (genre == this.picked) {  
            return true;  
        } else {  
            return false;  
        }  
    }  
}
```
- Save the page and test this out

# Going further

- Add a bunch more artists and genre's
- Don't forget to add the right radio buttons too
- Try adding some data for what time the bands are playing, then display that in a different style in the list
- If you are really brave, you could try adding an image for each band to the listing.