Making MessageList a slot based Component

In this lesson, we will be making MessageList a slot based component.

```
we'll cover the following ^

• Make MessageList Slot Based
```

Slots are the way to make content distribution happen in the web components world. They make the structure of the components much more flexible, moving the responsibility of managing the state to the parent component. For example, we can have a List component, and different kind of item components, such ListItem and ListItemImage. They'll be used like:

The inner content of List is the slot itself, and it's accessible via the <slot> tag. So the List implementation looks like:

```
<template>

<!-- slot here will equal to what's inside <List> -->
<slot></slot>

</template>
```

And, say that the ListItem component looks like:

```
<template>
   {{ someProp }} 
  </template>
```

Then, the final result rendered by Vue.js would be:

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Let's take a look at the MessageList.vue component:

MessageList has "hardcoded" the Message component inside. In a way, it's more automated, but on the other, it is not flexible at all. What if you want to have different types of Message components? What about changing its structure or styling? That's where slots come in handy.

Let's change Message.vue to use slots. First, move the Message... part to the App.vue component, as well as the handleMessageClick method, so that it's used externally:

```
import MessageList from "./components/MessageList";
import Message from "./components/Message";

export default {
  name: "app",
  data: () => ({ messages: ["Hey John", "Howdy Paco"] }),
  methods: {
    handleMessageClick(message) {
      console.log(message);
    }
  },
  components: {
    MessageList,
    Message
  }
};
</script>
```

Don't forget to import the Message component and add it to the components option in App.vue.

Then, in MessageList.vue, we can remove the references to Message, looking like:

In the next lesson, we'll be learning more about \$children and \$slots.