Vue.js worksheet

Our first goal is to avoid hard coding by storing our username in our Vue app, which allows easy updates and modifications. The second goal is to use JavaScript functions to modify the information in Vue app.

First, we want to import Vue library. This is very similar to how we import CSS and JavaScript files.

<script src="https://cdn.jsdelivr.net/npm/vue"></script>

Now we add some contents to our html body. We created a div with an id ‘app’ which can later be accessed in our Vue codes. We put two layers of brackets around username so that the content wrapped in the brackets can be substituted.

<div id="app">

<h1>{{ username}}</h1>

</div>

We then create a new instance of the Vue class which we name “myDemo”. We add a property username to myDemo. We can see how information is added in the form of key-value pairs. We set the value of that property to Heying Wang, which is my name.

<script>

var myDemo = new Vue({

el: '#app',

data: {username: 'Heying Wang'}

})

</script>

We add a button to our html body to allow interactions. By clicking the button, the user can change the name on the page to something else.

<p>

<button onclick="myFunction()">Change the name!</button>

</p>

Now we write the function that updates the name. We change the username to John Doe.

function myFunction() {

myDemo.username = "John Doe";

}

I also write some simple CSS to make the demo look nicer.

<style>

#app,p{

font-size: 30px;

text-align: center;

}

button{

margin-top: 40px;

font-size: 25px;

padding: 30px;

border-radius:60%;

background-color: lightblue;

}

</style>