Interface Design and Development

Pass Task 5.2: Parent Child Communication

Overview

In this task, you will create a component to initialise a model with an array of strings and generate a view that lists the array using the ul element.

Purpose:	Learn how to use components and parent child component communication.
Task:	Create a web app that initialise a model with an array of strings and create a view that lists the array.
Time:	This task should be completed in your tutorial and submitted for feedback before the start of week 7.
Resources:	

- Lecture notes #3, #4 and #5

Submission Details

You must submit the following files:

- Menu list source code (menulist.html).
- Menu list component source code (appmenulist.js).
- Screenshot of the web app.

Please submit the html and js files as one zip file and submit the screenshot as a separate file.

Make sure that your task has the following in your submission:

- The menu list web application is HTML5 compliant.
- Demonstrates understanding in using the VueJS framework.
- Demonstrates use of component and parent child communication.

Instructions

Implement the menu generator web app. In this web application, you will need to implement a component that takes an array of string as an attribute value and use it to generate a list.

1. Start by creating a new HTML file in an editor.

2. Implement the basic outline of an VueJS web app with the appropriate scripts.

> **Note:** It is a good practice to write the component in a separate file.
>
> ```
> <script src="js/appmenulist.js"></script>
> ```

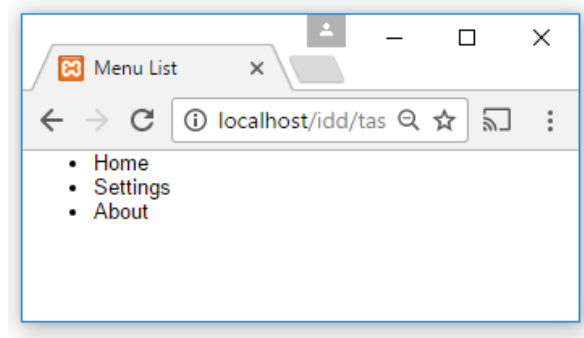3. The HTML file will use the component with the following array value.

```
<mymenu v-bind:menu= "['Home', 'Settings', 'About']"></mymenu>
```

4. Create the component file appmenulist.js with the following template.

```
Web App: appmenulist.js
_____

const app = Vue.createApp({  })

//populate menu with a variable
app.component('mymenu', {
  props: ['menu'], //defining the props
  template:
        //defining template for the menu list
})

app.mount('#app')
```

5. Your web app should now be complete. Make sure you test it on the browser to make sure that it works as you expect.