1. Break down for me the primary stack you’ve worked with the last 2 years.

* I work as full stack developer using NodeJS and PHP .

1. What are the % of front vs backend?

* 50 % Backend and 50% FrontEnd

1. What did you use for each?

* For the Backend I recently used Codeigniter , Laravel 7 for PHP and for the Node I already used NodeJS Express
* While in the frontend I used JQuery , AngularJS, VueJS with Quasar Framework .

1. How to pass properties from parent to child components?

* Import the Parent components then bind to another file ,declares the variable that holds the value of child components.

5. Talk through how you would send an API request and process the response from the server

* Get the **API URL,** then set the method (“POST,PUT,GET,PATCH”) , after that pass your payload it can be **Query String** or **JSON Body .** success Callback for the response status and data .

6. What work/project have you done using MongoDB?

* **Codesigner.com.ph**

1. When should we embed one document with another in MongoDB?

* You can start embed **One** document to **Other** document if you think the **One** document is related to **Other** document.

Frontend

1. Create two components, a parent and a child.

2. In the parent component, create two dropdown lists. The first dropdown should contain two choices - Fruits and Vegetables. Depending on the

selected value from dropdown 1, populate the second dropdown with their respective choices:

|  |  |
| --- | --- |
| **Fruits** | **Vegetables** |
| Mango  Peach  Grapes  Strawberry  Orange | Broccoli  Lettuce  Carrot  Potato  Cabbage |
|
|
|
|

Add a submit button that will pass the selected data from the parent to the child.

1. In the child component, display the selected values.

Snippet : Using VueJS

Component Fruits :

**File > Fruits.vue**

<template>

<div>

Select Fruit <br>

<select v-model="selected">

<option disabled value="">Please select one</option>

<option v-for="item in fruits" :key="item">

{{ item }}

</option>

</select>

<br>

<button v-on:click="submit">Submit</button>

<br><br>

{{ passData}}

</div>

</template>

<script>

export default {

name: 'Fruits',

props: {

msg: String,

},

data (){

return {

selected:"",

fruits:["Mango", "Peach", "Grapes", "Strawberry", "Orange"],

passData:"",

}

},

methods:{

submit (){

this.passData = this.selected;

}

}

}

</script>

**File > Vegetables.vue**

<template>

<div>

Select Vegetable <br>

<select v-model="selected">

<option disabled value="">Please select one</option>

<option v-for="item in veggies" :key="item">

{{ item }}

</option>

</select>

<br>

<button v-on:click="submit">Submit</button>

<br><br>

{{ passData}}

</div>

</template>

<script>

export default {

name: 'Vegetables',

props: {

msg: String,

},

data (){

return {

veggies:["Broccoli", "Lettuce", "Carrot", "Potato", "Cabbage"],

selected:"",

passData:""

}

},

methods:{

submit (){

this.passData = this.selected;

}

}

}

</script>

**File > App.vue**

<template>

<div id="app">

Select Type <br>

<select v-model="select\_type">

<option value="Fruits">Fruits</option>

<option value="Vegetables">Vegetables</option>

</select>

<br><br>

<Fruits v-if="select\_type == 'Fruits'"/>

<Vegetables v-if="select\_type == 'Vegetables'"/>

</div>

</template>

<script>

import Fruits from './components/Fruits.vue'

import Vegetables from './components/Vegetables.vue'

export default {

name: 'app',

components: {

Fruits,

Vegetables

},

data (){

return {

select\_type : ""

}

}

}

</script>

Backend

Create a simple GET request using nodejs and express that returns the list of fruits or vegetables depending on the type given.

If the requested type is fruit, sample output would be:

["mango", "peach", "grapes", "strawberry", "orange"]

**Snippet :**

const express = require('express')

const app = express()

const port = 3000

app.get('/api/getList/:type', (req, res) => {

    var fruits = ['mango', 'peach', 'grapes', 'strawberry', 'orange'];

    var veg = ["Broccoli", "Lettuce", "Carrot", "Potato", "Cabbage"];

    var type = req.params.type.toLowerCase();

    if (type == 'fruits') {

        res.send(fruits);

    }

else if (type == 'vegetables') {

        res.send(veg);

    } else {

        res.send(`Type ${type} not found`);

    }

});

app.listen(port, () => {

console.log(`app listening at http://localhost:${port}`)

})