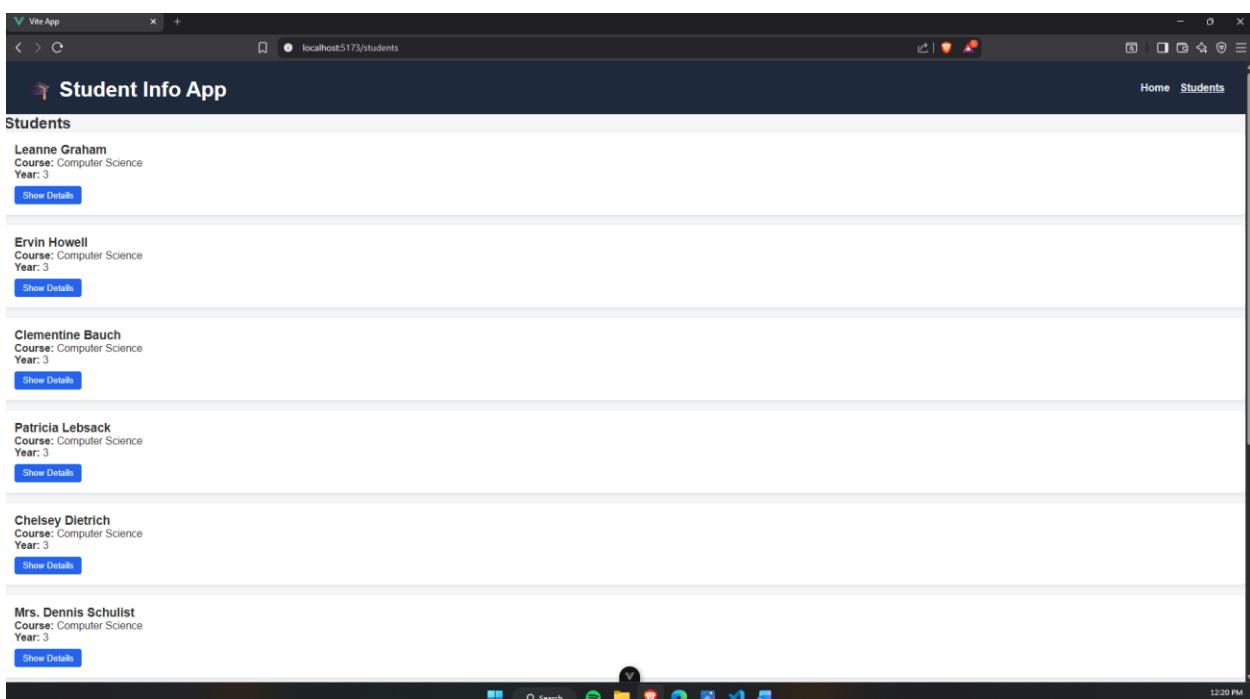
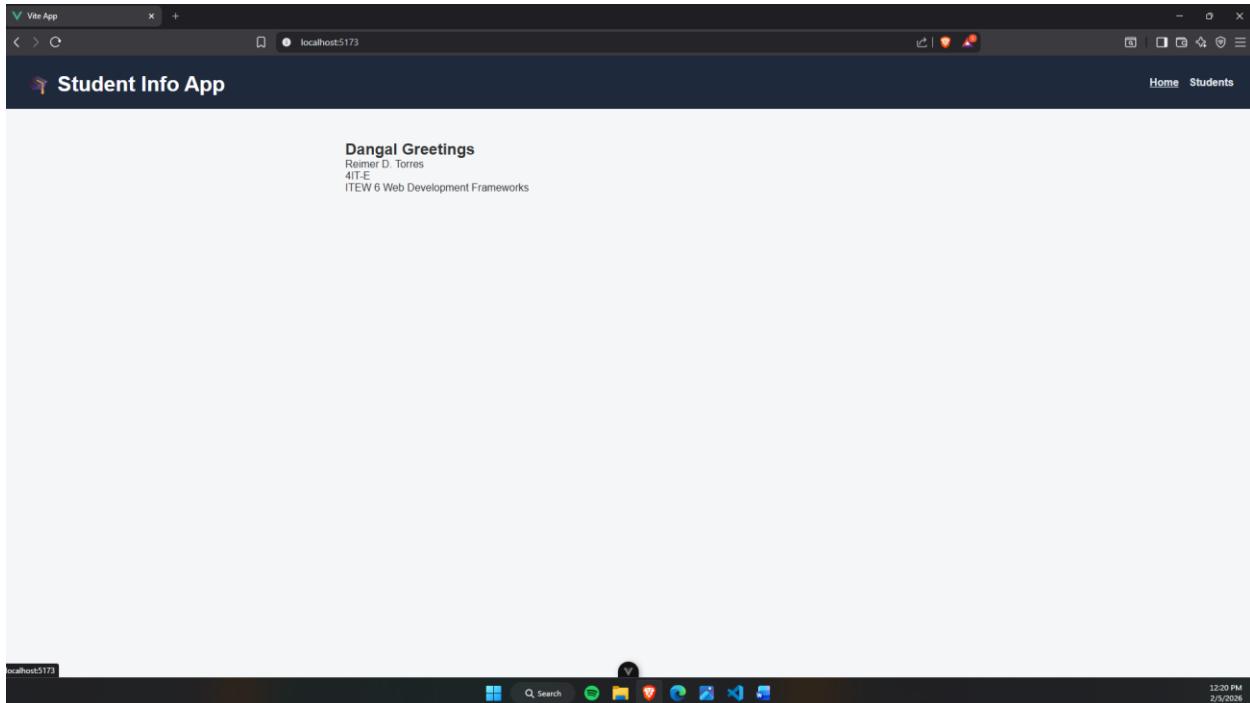
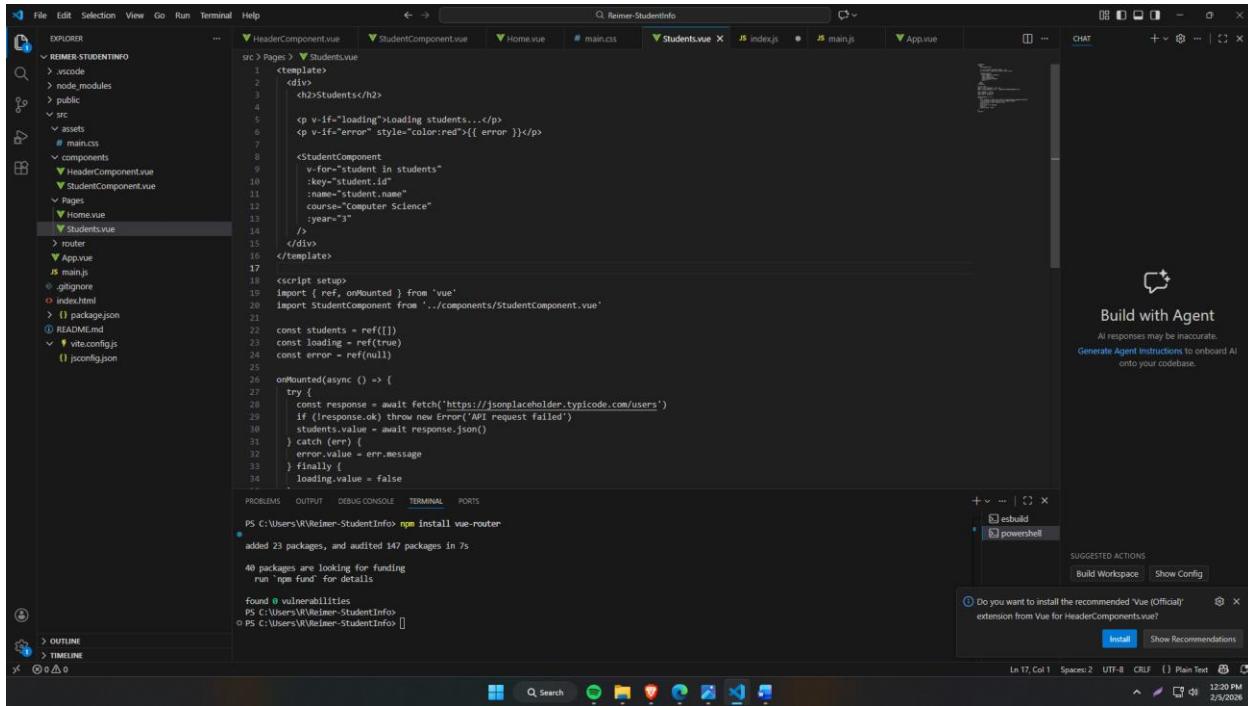


Reimer D. Torres
4IT-E

02/09/2026
Dr. Luvim M. Eusebio

ITEW 6 – Web Development Frameworks LAB EXAM





Components

HeaderComponents.vue

```
<template>
<header class="header">
  <h1>🎓 Student Info App</h1>
  <nav>
    <RouterLink to="/">Home</RouterLink>
    <RouterLink to="/students">Students</RouterLink>
  </nav>
</header>
</template>
```

```
<script setup>
</script>
```

```
<style scoped>
.header {
  background-color: #1e293b;
  color: white;
  padding: 1.2rem 2rem;
```

```
display: flex;  
justify-content: space-between;  
align-items: center;  
}  
  
nav a {  
margin-left: 1rem;  
color: #e2e8f0;  
font-weight: bold;  
}  
  
nav a.router-link-active {  
text-decoration: underline;  
}  
</style>
```

StudentComponent.vue

```
<template>  
<div class="card">  
  <h3>{{ name }}</h3>  
  <p><strong>Course:</strong> {{ course }}</p>  
  <p><strong>Year:</strong> {{ year }}</p>  
  
  <button @click="toggleDetails">  
    {{ showDetails ? 'Hide' : 'Show' }} Details  
  </button>  
  
  <p v-if="showDetails" class="details">  
    Student is currently enrolled.  
  </p>  
</div>  
</template>  
  
<script setup>  
import { ref } from 'vue'  
  
defineProps({
```

```
name: String,  
course: String,  
year: Number  
})  
  
const showDetails = ref(false)  
  
function toggleDetails() {  
  showDetails.value = !showDetails.value  
}  
</script>  
  
<style scoped>  
.card {  
  background: white;  
  border-radius: 6px;  
  padding: 1rem;  
  margin-bottom: 1rem;  
  box-shadow: 0 2px 6px rgba(0,0,0,0.1);  
}  
  
button {  
  margin-top: 0.5rem;  
  padding: 0.4rem 0.8rem;  
  border: none;  
  background-color: #2563eb;  
  color: white;  
  border-radius: 4px;  
  cursor: pointer;  
}  
  
button:hover {  
  background-color: #1d4ed8;  
}  
  
.details {  
  margin-top: 0.5rem;  
  font-size: 0.9rem;
```

```
color: #555;  
}  
</style>
```

Pages

Home.vue

```
<template>  
  <div class="container">  
    <h2>Dangal Greetings</h2>  
    <p>  
      Reimer D. Torres  
    </p>  
    <p>4IT-E</p>  
    <p>ITEW 6 Web Development Frameworks</p>  
  </div>  
</template>
```

Student.vue

```
<template>  
  <div>  
    <h2>Students</h2>  
  
    <p v-if="loading">Loading students...</p>  
    <p v-if="error" style="color:red">{{ error }}</p>  
  
    <StudentComponent  
      v-for="student in students"  
      :key="student.id"  
      :name="student.name"  
      course="Computer Science"  
      :year="3"  
    />  
  </div>  
</template>  
  
<script setup>
```

```
import { ref, onMounted } from 'vue'
import StudentComponent from './components/StudentComponent.vue'

const students = ref([])
const loading = ref(true)
const error = ref(null)

onMounted(async () => {
  try {
    const response = await fetch('https://jsonplaceholder.typicode.com/users')
    if (!response.ok) throw new Error('API request failed')
    students.value = await response.json()
  } catch (err) {
    error.value = err.message
  } finally {
    loading.value = false
  }
})
</script>
```

Assets

Main.css

```
* {
  box-sizing: border-box;
  margin: 0;
  padding: 0;
}

body {
  font-family: Arial, Helvetica, sans-serif;
  background-color: #f4f6f8;
  color: #333;
}

a {
  text-decoration: none;
  color: inherit;
}
```

```
}
```

```
.container {  
    max-width: 900px;  
    margin: 2rem auto;  
    padding: 1rem;  
}
```

Router

Index.js

```
import { createRouter, createWebHistory } from 'vue-router'  
import Home from '../pages/Home.vue'  
import Students from '../pages/Students.vue'
```

```
const routes = [  
    { path: '/', component: Home },  
    { path: '/students', component: Students }  
]
```

```
const router = createRouter({  
    history: createWebHistory(),  
    routes  
})
```

```
export default router
```

App.vue

```
<template>  
    <HeaderComponent />  
    <RouterView />  
</template>  
  
<script setup>  
import HeaderComponent from './components/HeaderComponent.vue'  
</script>
```

Main.js

```
import { createApp } from 'vue'  
import App from './App.vue'  
import router from './router'  
import './assets/main.css'
```

```
createApp(App)  
.use(router)  
.mount('#app')
```