### Task 4

#### GitHub Link

<https://github.com/PeterTieu/SIT120/tree/main/Practical%205/Task%204>

#### Summary

In this task, I explore the newly learned Vue concepts that I could include in my project.

#### **Vue concept #1** - Component Registration

As explored in Task 2, I will implement the two custom Vue components, the *country-component,* and the *difficulty-level-component*, to my project.

* *country-component*
  + Renders Flag Image-Country Name pairs to the *Home Page*
* *difficulty-level-component*
  + Render Difficulty Level selection buttons to the *Difficulty Levels Selection* page before the commencement of the Flags Challenge or Countries Challenge

#### **Vue concept #2** - Props

As explored in Task 2, I will implement props the two custom Vue components, the *country-component,* and the *difficulty-level-component*, to my project.

These props will dictate the variations in rendering between custom Vue components of the same type.

For example, the Flag Image-Country Name pairs will each contain a Flag Image and its associated Country Name. They only differ between each other by the <img> source of the Flag Image and the text of the Country Name through the assignment of different values to these two constituent parts.