

## **\*\* ASSIGNMENT \*\***

Please try your best for all of them.

### **API (Back-end)**

ZF3 Framework(PHP) or Express(Node.JS) or Golang

- Create a new controller called "SCG"
- X, 5, 9, 15, 23, Y, Z - Please create a new function for finding X, Y, Z value
- Please use "Place search|Place API(by Google)" for finding all restaurants in Bangsue area and show result by JSON
- Please create one small project for Line messaging API(Up to you), contain a flow diagram, your code, and database.

**\*\* Make sure you have a cache for every function \*\***

#### References

<https://github.com/Tonytoons/PHP-ZF3-Starter-Kit>

<https://developers.line.biz/en/services/messaging-api/>

<https://golang.org/doc/>

<https://expressjs.com/>

# WEB (front-end)

Vue.JS V3 and Bootstrap V4 (or React.JS and Bootstrap V4)

- Create a new router called "SCG"
- X, 5, 9, 15, 23, Y, Z - Please create a new function for finding X, Y, Z value
- Please use Bootstrap V4 for CSS
- Please create Top bar, body, and footer for every page components
- Please create a new page for showing results from your API(1.3)
- One simple static page for your CV

\*\* Make sure you have a cache or local storage for every function \*\*

## References

<https://docs.google.com/document/d/17V6mONAZJGJg9t7M5bFxlbfzL5f9mQdpUeelo8vd88A/edit#heading=h.oymnw3nlvwib>

<https://getbootstrap.com/>

<https://reactjs.org/docs/getting-started.html>

## NOTE:

- **One presentation for all assignments**
- **GIT URL**
- **PM, QA, SA: Presentation and Pseudo Code or flowchart(no need to code)**