Prerequisites/Guidelines:

- You are required to build a small application (details below) and share it with us in a git repository. Please commit all the documents / notes with in the git repository
- You may do any online research and use any publicly available code, please do add those in a "references" file in the code repo
- We would like to know your thought process and approach for the product.
- While building the applications, if you have any assumptions, please share them.

Application Brief:

We would like you to build a small quiz application with the requirements below:

- User should be able to login using google (you do not need to store the user data)
- The Quiz would have multiple Topics – Sports, Science & Technology, Arts, Politics. More Topics can be added later.
- Each subject would have 3 levels (Beginner, Intermediate, Professional)
- Once the user chooses a subjects to take a quiz, he would get 10 questions, 4 of beginner level, 3 of intermediate level, 3 of professional level in that order.
- One question is visible each time and each question would have 4 Multiple choice answers and only one answer would be right. There would not be any time limit. Next question is visible after the first question is answered.
- After the quiz is complete the score is displayed to the user.

Constraints

- Use simple google OAuth authentication implemented in Core PHP
- Implement simple REST services to retrieve questions and submitting answers, you may use Core PHP without any frameworks like Laravel or CodeIgniter
- You do not need to implement authentication mechanism for validation of users. Session validation is sufficient
- Preferably use VueJS for the front-end, we would like to see how components are designed

Requirements to be Submitted (in the git repository)

- Database Design (image / document)
- SQL to import / create tables
- Code Repository of working application
- Simple Documentation of services – REST endpoints, input parameters, output data