LightCastle Interview assignment for Senior Software Engineer.

Working Step:  
This project build by Laravel version 8.0.2 which is latest.

Using one

1. service class
2. service provider
3. one controller
4. one blade template
5. And route

After installation you should make a controller by using directory or artisan command  
Command: php artisan make:controller ControllerName. My controller name is **CommonController**  
Controller is inheritance Controller class.

Then Need to install Fast Excel package by using below command:  
composer require rap2hpoutre/fast-excel

Now we should make a provider and Service class.

For making provider we need to use this command.

php artisan make:provider ProvideName. My prodder name is **FastExcelProvider**

And for making a class we need to make a directory which name is Service and create a php file for class name is Upload.php.

In Upload class is the main class where we are writing some code for getting our expected out.

In class I used collection, fast excel to get data from excel and convert into json for our expected output.

Simply Request a excel file and upload a directory. Directory name is **import-directory** inside public path.

Use this code to get all excel data into collection using FastExcel

$collection = (new FastExcel)->import($path);

This line code is working for group wise filter.

$grouped = $collectedData->groupBy('group');

This two line code are working to convert into json and formatting as expected output.

$jsonoutput = $grouped->toJson(JSON\_PRETTY\_PRINT);

printf("<pre>%s</pre>", $jsonoutput);

Finally, we will get our expected output.

Note: I attached an excel file into **files** folder inside **root directory** with 1733 record. For 1733 record execution time is less than 3 second.

I expect considerable all wrong spelling and my task also.

Thanks for giving a chance to make this simple project.