**Application Setup:**

1. Create a database and set the db credentials in the .env file

2. Run the following commands -

composer install

php artisan migrate

3. In the crontab file, add the cron job that runs Laravel’s scheduler.

\* \* \* \* \* cd /var/www/html/leapstat-assignment && php artisan schedule:run >> /dev/null 2>&1

**About the assignment -**

1. Created a command called "FetchRandomUsers" responsible for fetching and storing users in the database.

Scheduled the command to run in every 5 minutes in the App\Console\Kernel.php. The command can be executed in the console by executing,

php artisan fetch-random-users

2. Configure the cronjob using the following command -

\* \* \* \* \* cd /var/www/html/leapstat-assignment && php artisan schedule:run >> /dev/null 2>&1

3. Created SearchUserController controller. SearchUserController::fetch() method is responsible to serve search request.

4. App\constants.php - defines all the constants used by the application.

api-endpoint - is configured with the external API endpoint to fetch random users.

search-response-fields - as the name suggests, defines an array of the database filed names to be returned in the search API response

5. Migration files has been created. Please run the migration command to setup the application.

6. Optional Enhancement: As the application don't have any admin user interface, so "ability to specify which fields in the API response" has been done by placing an hardcoded array in the config/constants.php.

If the application had an admin interface then, a screen couls have been provided to setup the fields.

7. API to search user -

<APPLICATION URL>/api/search-user?name=Ranjan&email=email@gmail.com&gender=Male&city=Prestfoss&country=india&limit=3

I have also attached the postman export file.