

# Full Stack Developer Test

**Please read all the instructions first**

1. Create MySQL/MariaDB Database with 2 tables, users and posts.
  - a. Users table columns:
    - i. id
    - ii. name
    - iii. email
    - iv. updated\_at
    - v. created\_at
  - b. Posts table columns:
    - i. id
    - ii. user\_id
    - iii. title
    - iv. body
    - v. updated\_at
    - vi. created\_at
2. Create 3 Classes
  - a. DbConnection class - write database connection class
  - b. User class with at least 1 method:
    - i. create - store a new user in your database
  - c. Post class with at least 4 methods:
    - i. searchById(post\_id) - return the post by id if exists in your database
    - ii. searchByUserId(user\_id) - return all posts that belong to the user if exists in your database
    - iii. searchByContent(string) - return all the matching posts that contain the given string in the post body or title in your database
    - iv. create - store a new post in your database
3. Fetch users and posts via **curl** and save them in your database (save only the necessary values).
  - a. Users - <https://jsonplaceholder.typicode.com/users>
  - b. Posts - <https://jsonplaceholder.typicode.com/posts>
4. Create html file that will include a form, with the following fields
  - a. User's name
  - b. User's email
  - c. Post's title
  - d. Post's body

After submitting the form a new user and post should be created
5. Create php file that will output all the posts as json, the page should accept the next get quires
  - a. post\_id - output the posts with the given post id

- b. user\_id - output all the posts that created by the given user
6. Write a mysql query that will return the average of posts users created by monthly, and weekly.  
The columns should be: user\_id, monthly\_average, weekly\_average.

Please send your answer with all the files including the database sql file  
Good luck!