Create Github Repository (git add, commit and push)

1. Create github account. (https://github.com)
2. Create New Repostitory. lastname_firstname. (eg. marasigan_ronald)
3. Clone your created repository.
   - You will see an empty repository after cloning.
4. Paste your CRUD files there. (inside empty repo)
5. Type "git remote -v", check if the url is different from the one you've just created. To change remote_url using "git remote set-url origin **https://github.com/h4ckw1z4r9/marasigan_ronald.git" (change the link to your own repo)**
6. Add files using "git add --all"
7. Commit the changes using "git commit -m 'First commit"
8. If this is your first time you will be ask for your email and name. Just provide it.
9. Push to your branch using "git push"
10. Check your repository, you will see all the files from your CRUD project.

Note: Every time you make changes and want to update your repository, just repeat steps 6, 7 and 9.

Render Web Services

11. Create an account in https://render.com
12. Choose any workspace name and skip others.
13. Create New Web Service -> Git Public Repository and paste the link of the public repository you've just created in GitHub. (Consider to make your repository public if you don't want anyone to access it.)
14. Choose docker as language, instance type is FREE PLAN.
15. Before hitting the deploy button you need first to add Dockerfile and composer.json to your github repository.
16. Open your project from your code editor and create a file on your root directory "composer.json" and paste this:

```
1    {
2        "require": {
3            "php": "^8.0"
4        }
5    }
```

17. Open your project on the terminal and type composer install then hit enter.
18. Create another file in your root directory "Dockefile" and paste the content of this link:

    Open this Link: LavaLust-Restful-API/Dockerfile at testing · ronmarasigan/LavaLust-Restful-API

19. To update your repository, repeat steps 6, 7 and 9. After updating the repository hit the Deploy Web Service button.

Free SQL Database

20. Create an account in https://www.freesqldatabase.com/
21. Follow all the steps to came up with this

Server Location

Select where you would like you database located.

| Asia Pacific | Save Location |

Account Details

Account Number	Available Databases	Available Space
1423688	0 of 1	0.6% of 5.00MB

Database Details

Database Host	Database Name	Database Username	Database Password	Size	Status	Delete
sql12.freesqldatabase.com	sql12796699	sql12796699	Check your emails	0.03MB	Live	☐

Delete database

22. Export your database from your localhost/phpMyAdmin. Find the link to phpMyAdmin of freesqldatabase. (see bottom)

phpMyAdmin for database administration

▸ Follow this link for phpMy Admin

23. Login your credentials to access your database. From there, click the database then import your exported database.
24. Open your project to modify the database credentials. Update config/database.php and change your credentials based on your account in freesqldatabase.
25. To update your repository, repeat steps 6, 7 and 9. Re-deploy your project on render (Latest commit).
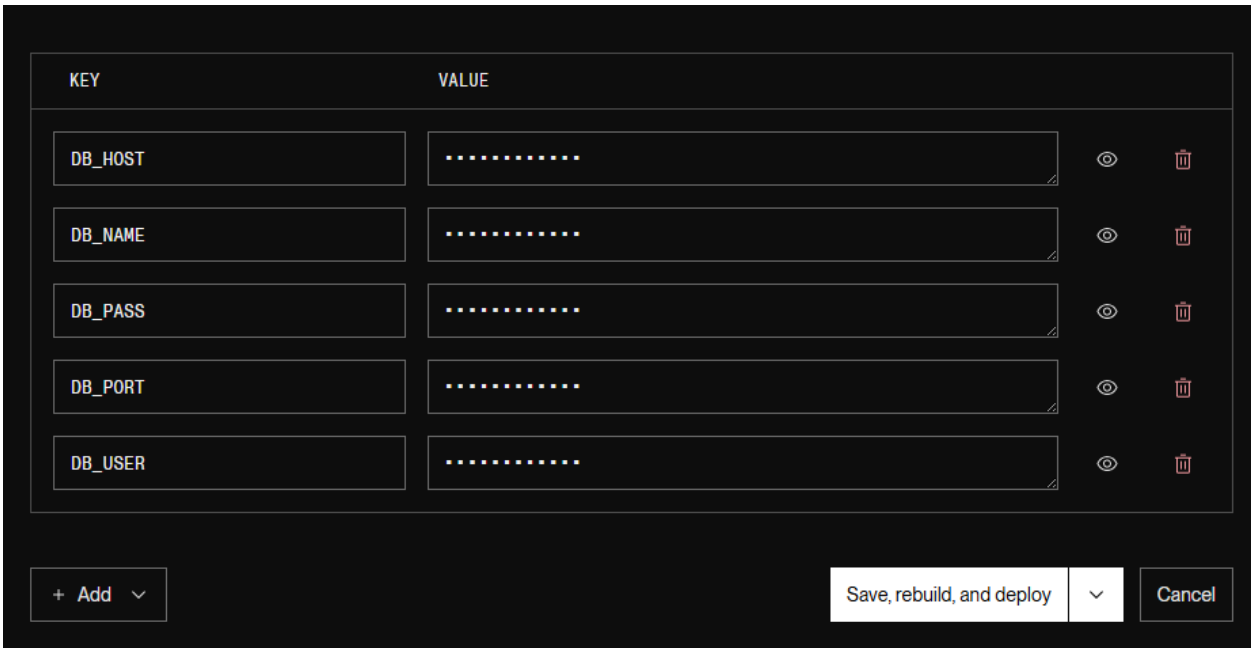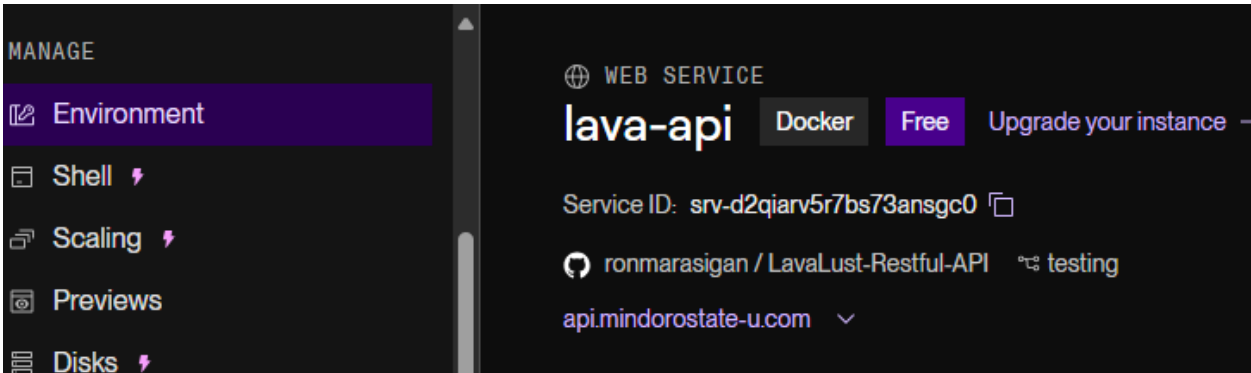
Note: Please do not use plain text to add your credentials. Your repository is public so database details should not be exposed. You may want to make it private or use environment (.env) for sensitive data. But for the sake of example you can try it without using environment.

But if you wish to continue with environment take a look at this.

Example: (Environment Variables)

```php
$database['main'] = array(
    'driver'    => 'mysql',
    'hostname'  => getenv("DB_HOST"),
    'port'      => getenv('DB_PORT'),
    'username'  => getenv("DB_USER"),
    'password'  => getenv("DB_PASS"),
    'database'  => getenv("DB_NAME"),
    'charset'   => 'utf8mb4',
    'dbprefix'  => '',
);
```

26. Open your account on render and choose you webservice. On the left-side you can see the option Environment

27. After adding the values, Save, rebuild and deploy.
28. Access your URL and if you it seems good, then you are good to go else, try to fix the error. Good luck!