

# Clever Full Stack Developer Test Task

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With this test we want to get an idea of your proficiency in fullstack related web development technologies. We will give you a task specification below, and you are free to use whatever PHP and JS libraries/frameworks.

You shall provide us with a hosted git repository of your resulting work, including a readme file to describe the required steps to deploy it locally.

## Task

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Create single page application in PHP (Frameworks allowed) that uses the provided database (SQLite 3) to list and categorize the country phone numbers. Phone numbers should be categorized by country, state (valid or not valid), country code and number. The page should render a list of all phone numbers available in the DB. It should be possible to filter by country and state. Pagination is an extra.

## Details

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- Do not use external libraries to validate the numbers
- Try to show your OOP skills
- Code standards/clean code
- Design patterns

### Regular expressions to validate the numbers

Cameroon | Country code: +237 | Regex = (237)\ ?[2368]\d{7,8}\$  
Ethiopia | Country code: +251 | Regex = (251)\ ?[1-59]\d{8}\$  
Morocco | Country code: +212 | Regex = (212)\ ?[5-9]\d{8}\$  
Mozambique | Country code: +258 | Regex = (258)\ ?[28]\d{7,8}\$  
Uganda | Country code: +256 | Regex = (256)\ ?\d{9}\$

## Hints

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There are a few things that we'd like to see:

- Provide installation guide or existence of Dockerfile
- Include some screenshots of final work
- Some testing, Unit and/or integration and/or UI
- Some use of your preferred dependency injection framework
- A nice Material Design UI is a plus, as is handling loading/content/failure states
- Leave us notes! If you want to explain what you were thinking or trying to achieve, document it in code
- Do not make all inside single commit, describe what was achieved inside commits