



Exercise:

Create a single page application that uses the database provided (SQLite 3) to list and categorize 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.

Topics to take in account:

- Try to show your OOP skills
- Code standards/clean code
- Do not use external libs like libphonenumber to validate the numbers.
- Unit Tests

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}\$

Mockup

A Web Page

http://localhost

Phone numbers

Select country ▼ Valid phone numbers ▼

Dropdown to filter valid / invalid phone numbers.

Country	State	Country code	Phone num.
Morocco	OK	+212	520123456
Mozambique	OK	+258	21123456
Nigeria	OK	+234	66307367
Nigeria	OK	+234	25100505
Nigeria	NOK	+234	9284653698

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