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.
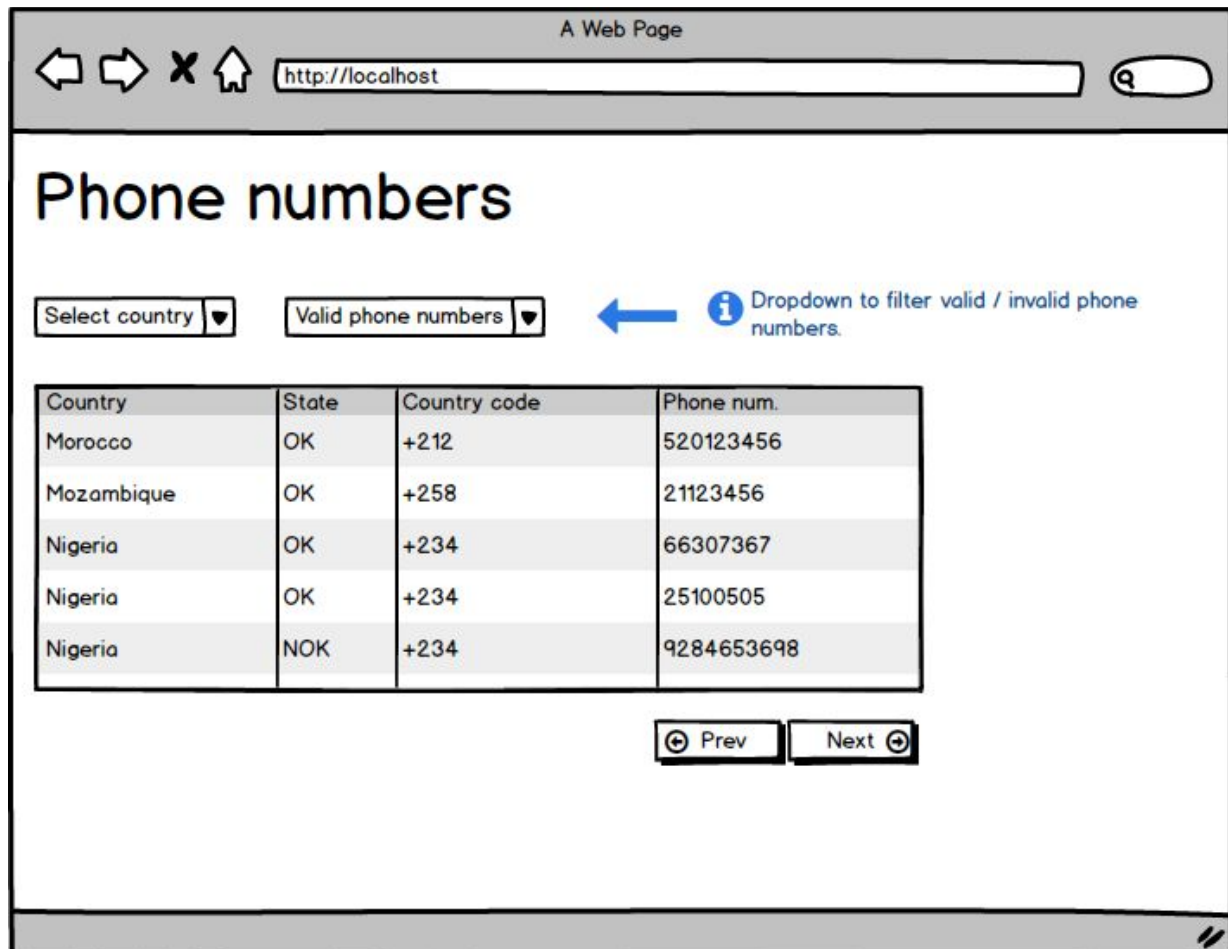
Topics to take into account:

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

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