

Please find an attached CSV file "Italian VAT numbers". This file contains both correctly and incorrectly formed Italian VAT numbers.

Using any Open Source Framework (if you want) and making use of Object Oriented Coding design principles.

- Consume the provided file via upload
- Test each VAT number and check for correctness, attempt to correct incorrectly formed numbers (it must start with "IT" and have 11 numbers to follow) and reject numbers that are invalid. (IT23831234567 is the correct format for this exercise).

Some case examples:

IT12345678901 => valid

98765432158 => corrected in IT98765432158

IT12345 => not valid

123-hello => not valid

- Store the results appropriately to DB / Temporary File - as per your discretion.

Display results by the following means - divide the states as follows:

- a. Display acceptable VAT numbers
- b. Corrected VAT numbers + what was modified
- c. Incorrect VAT numbers.

- Use the following methods to display the data by whichever means you feel make best sense for a user to interpret, or machine in the case of a file.

- a. HTML
- b. File (single file or divided - your choice)

- Include a user form to test a single VAT number and get a response with a success status/error message - if incorrect, why? And if self corrected, what was done.
- Application should include basic Documentation (readme). Making use of existing libraries for the heavy lifting is permitted. If you do use a database, please include seeding files.
- Upload your work in a public repository (eg. Github)

Conclusion:

Be creative and have loads of fun, project shouldn't take much longer than a couple of hours, we are not looking for perfection, just an insight into how you work.