

Translation Service

The idea of this test is to create a service that handles translations between two given languages.

We want to start by supporting translations from English to Pig Latin.

Pig Latin Language

The rules to translate from English to Pig Latin are the following:

- Words that start with a vowel (A, E, I, O, U) simply have "WAY" appended to the end of the word;
- Words that start with a consonant have all consonant letters up to the first vowel moved to the end of the word (as opposed to just the first consonant letter), and "AY" is appended.
 - In this context a 'y' in the middle of the word is counted as a vowel;
 - In this context if the word starts with 'qu' we consider that to be a single consonant;
- Translations should respect upper/lower case formatting;
- Hyphenated words are treated as two words;
- Words may consist of alphabetic characters only (A-Z and a-z);
- All punctuation, numerals, symbols and whitespace are not modified;
- Let's assume that there are no contractions in the English text;

Examples:

Original	Translated
quiet	ietquay
yellow	ellowyay
style	ylestay
Challenge the status quo	Allengechay ethay atusstay oquay
Roses are red, violets are blue	Osesray areway edray, ioletsvay areway ueblay
He is 2 years old	Ehay isway 2 earsyay oldway
The design is state-of-the-art	Ethay esignday isway atestay-ofway-ethay-artway
An off-campus apartment	Anway offway-ampuscay apartmentway

Deliverables

- Create a RESTful API that receives a request to translate text between to languages and returns the translated text;
- Create a postman collection with the endpoint defined above and an example payload;
- Include a docker-compose.yaml that we can use to run everything by simply running *docker-compose up*;
- Github repo to be shared with us with the implementation;

What we expect

- A careful and well thought structure and attention to implementation details and the broad scope of the challenge;
- A bullet proof translation algorithm that can be supported by proper test coverage;
- Technologies: NodeJS or Golang (preferred);