

Approach

- Front end server reads the input given by the user and calls the backend API with name and Zip code information
- Given Name is split into two words i.e first name and last name based on space
- Each word is converted to Pig Latin by following rules
 - If a word starts with a consonant and a vowel, put the first letter of the word at the end of the word and add "ay".
 - If a word starts with two consonants move the two consonants to the end of the word and add "ay".
 - If a word starts with a vowel add the word "way" at the end of the word.
- Concatenate the two words to get the Pig Latin format of the given name
- Using the uszipcode library we can find the demographic information like population and county for the given zip code
- Finally, the PigLatin name and the demographic information from the given zip code are converted to the required format.
- The formatted string is returned back to the Frontend server which populates the result in the UI for the user to view.