

# Assignment I

## 1 Analyzing the Problem

### 1.1 Inputs

Receives a String Input

### 1.2 Processing Solution

Analyzes String Files with the following Rules:

**Rule 1:** For words that begin with consonant, take the consonant off the front of the word and add it to the end of the word

**Rule 2:** For words that begin with double or multiple consonants take the group of consonants off the front of the word and add them to the end, adding ay at the very end of the word.

**Rule 3:** For words that begin with a vowel, just add yay at the end.

**Rule 4:** Hyphenated words are treated separately with “-”

**Rule 5:** Contracted words are treated as one word.

**Rule 6:** Words and symbols not covered by rules are not to be changed.

### 1.3 Outputs

Returns a pig Latin String

## 2 Assumptions

### 2.1 Inputs

1) Inputs will be String inputs in English. Inputs can include apostrophes, hyphens in the middle of the word.

2) Punctuations are considered to be `"\"( . . . ) : ; . ! ? , - "`

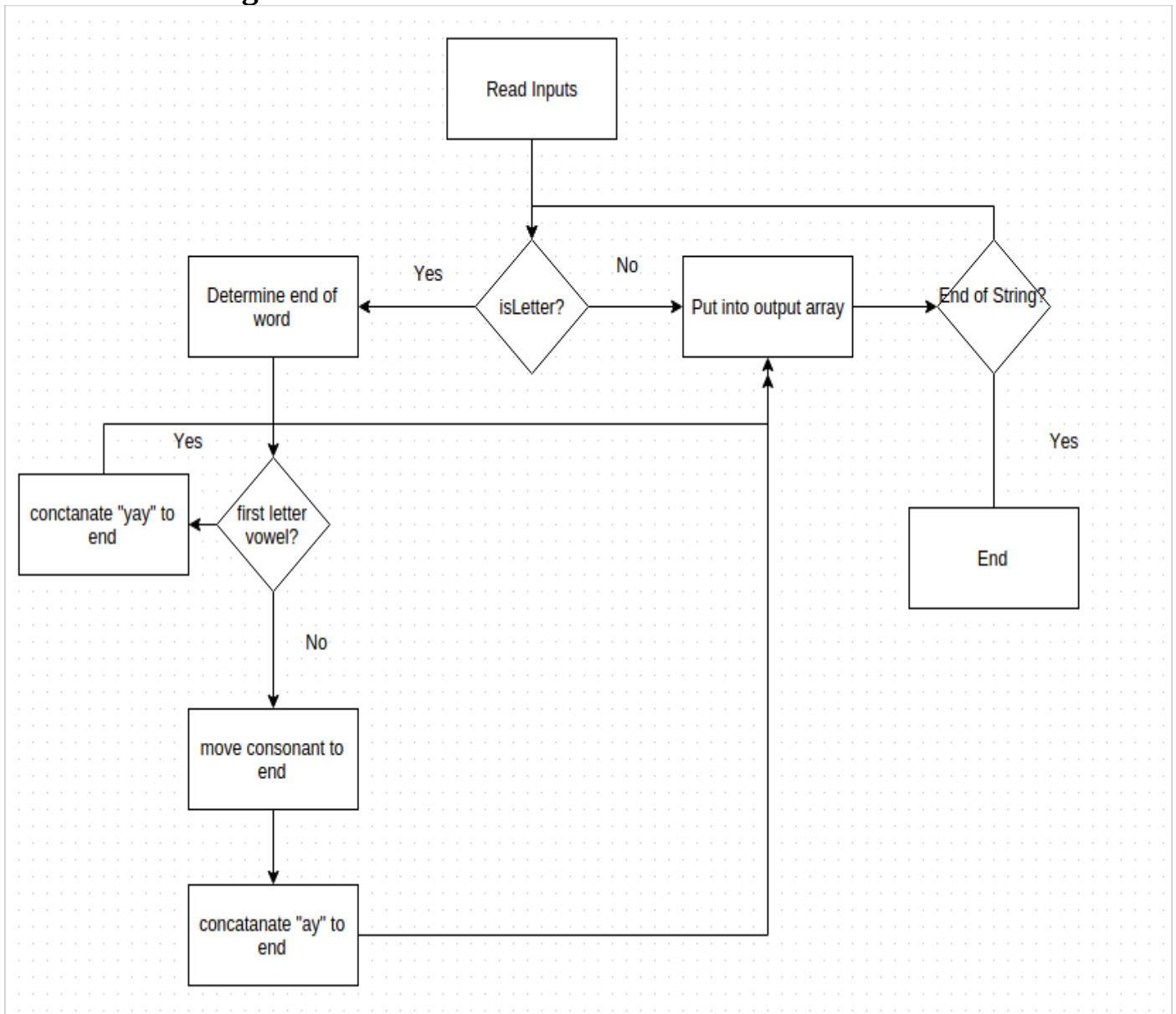
3) Words that contain not punctuations will be ignored. i.e. “H1N1 => H1N1”

4) When the apostrophe comes first, and is followed by the vowel, leave the apostrophe in the front. i.e. “y'all => 'allyay”

### 3 Input Output Diagram



### 4 Flow Diagram



## Functional Block Diagram:

