

```
GET word_list_file

READ word_list_file
word_list = parse_json(word_list_file)

GET search_word

min = 0
max = word_list.length - 1

WHILE searching
  mid = floor((min + max) / 2)
  mid_value = word_list[mid]
  IF mid_value == word_search
    word_exists = true
    searching = false

  ELSE IF mid_value > search_word
    max = mid - 1

  ELSE
    min = mid + 1

  IF min > max
    word_exists = false
    searching = false

PUT word_exists
```