

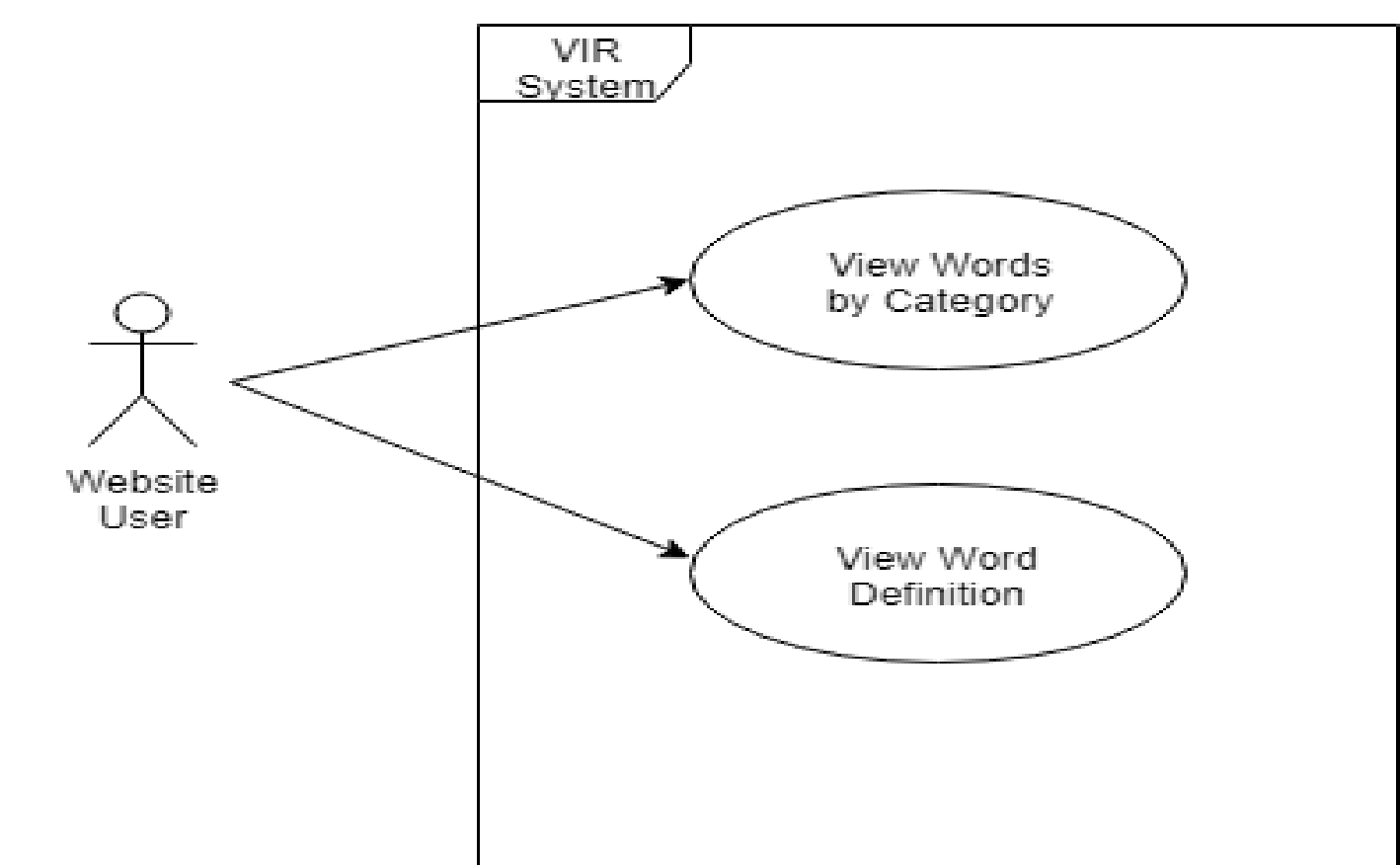
Problem

- There are countless ESL students who face difficulty while trying to master English.
- There aren't many all-in-one resources to help aid in learning English.
- Existing applications fall short on identifying and teaching important categorical words.

Current System

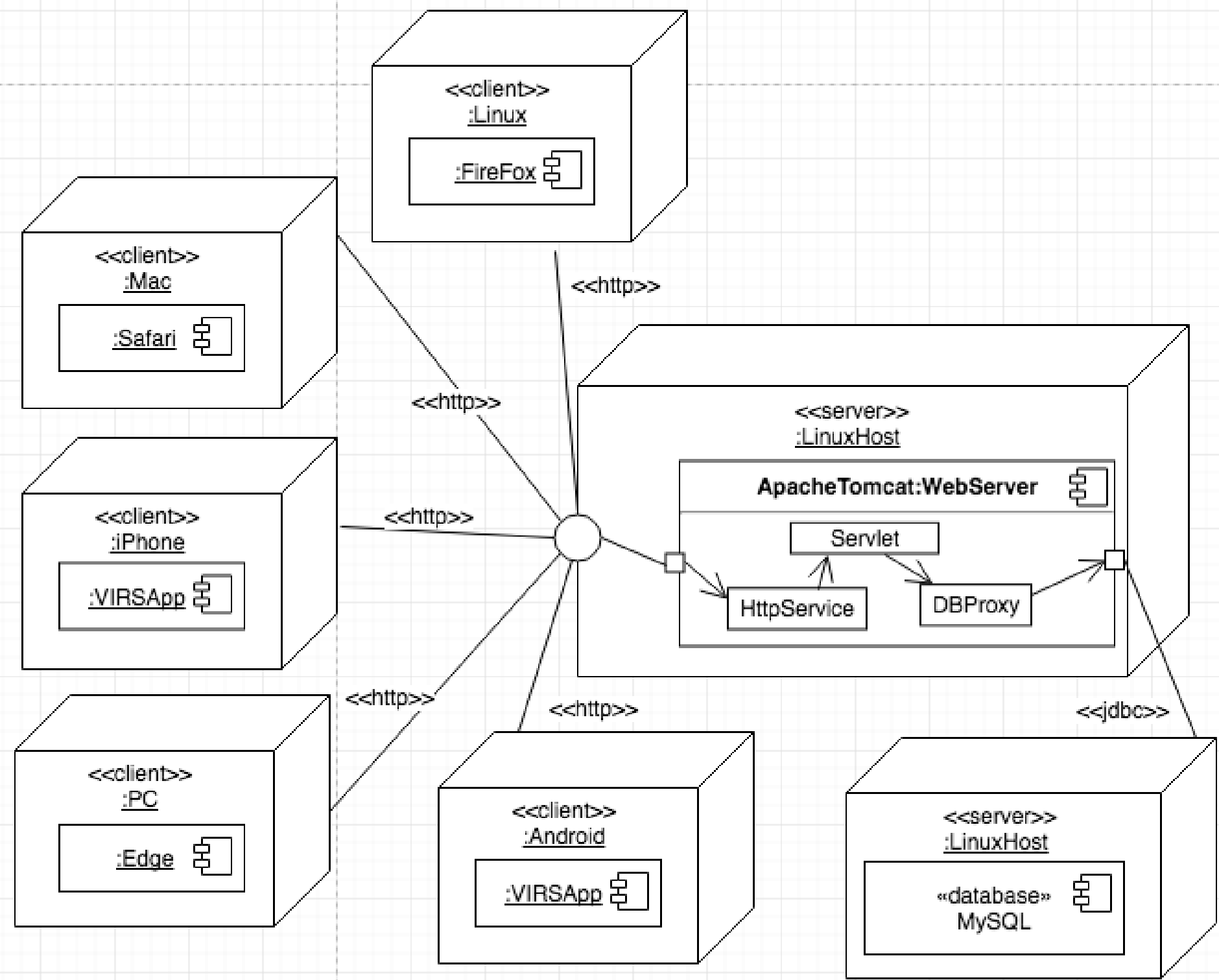
- Although users have access to a dictionary, it is very cluttered with poor formatting.
- Current word definitions also display information not relevant to the user.

Requirements

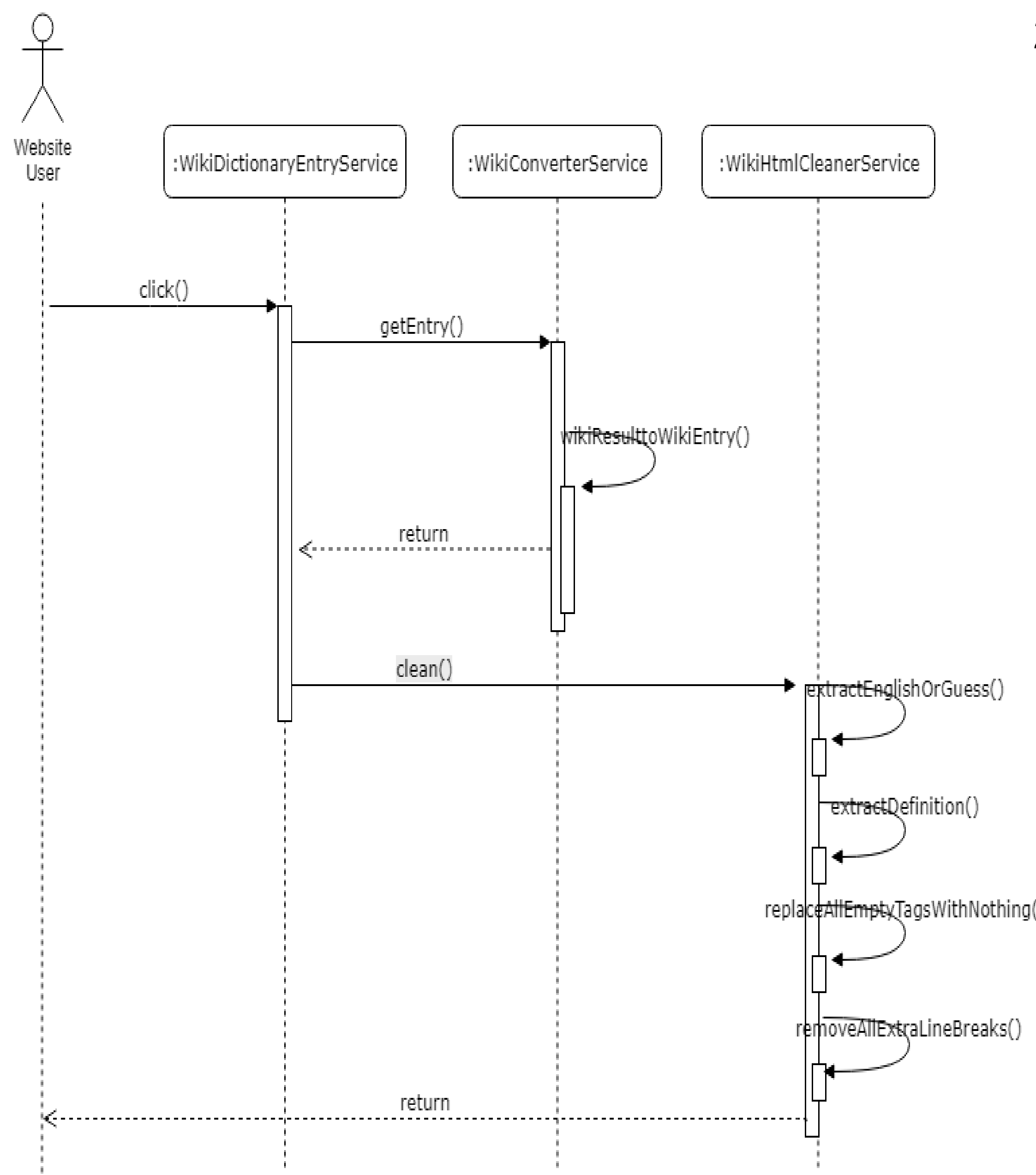


1. Users should be able to view a categorized dictionary of essential words.
2. Users should be able to view a clean word definition with only relevant information.

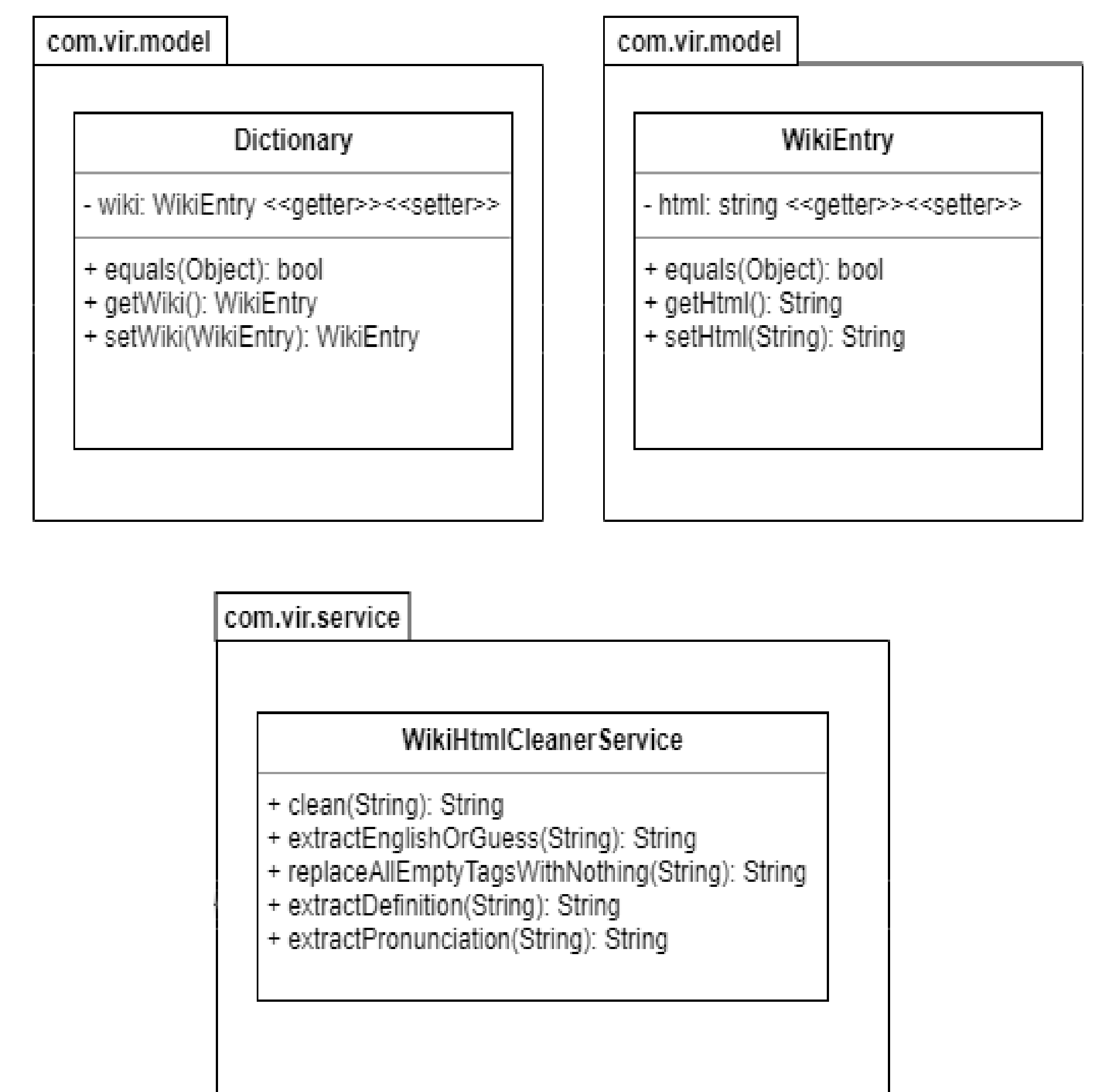
System Design



Implementation



Object Design

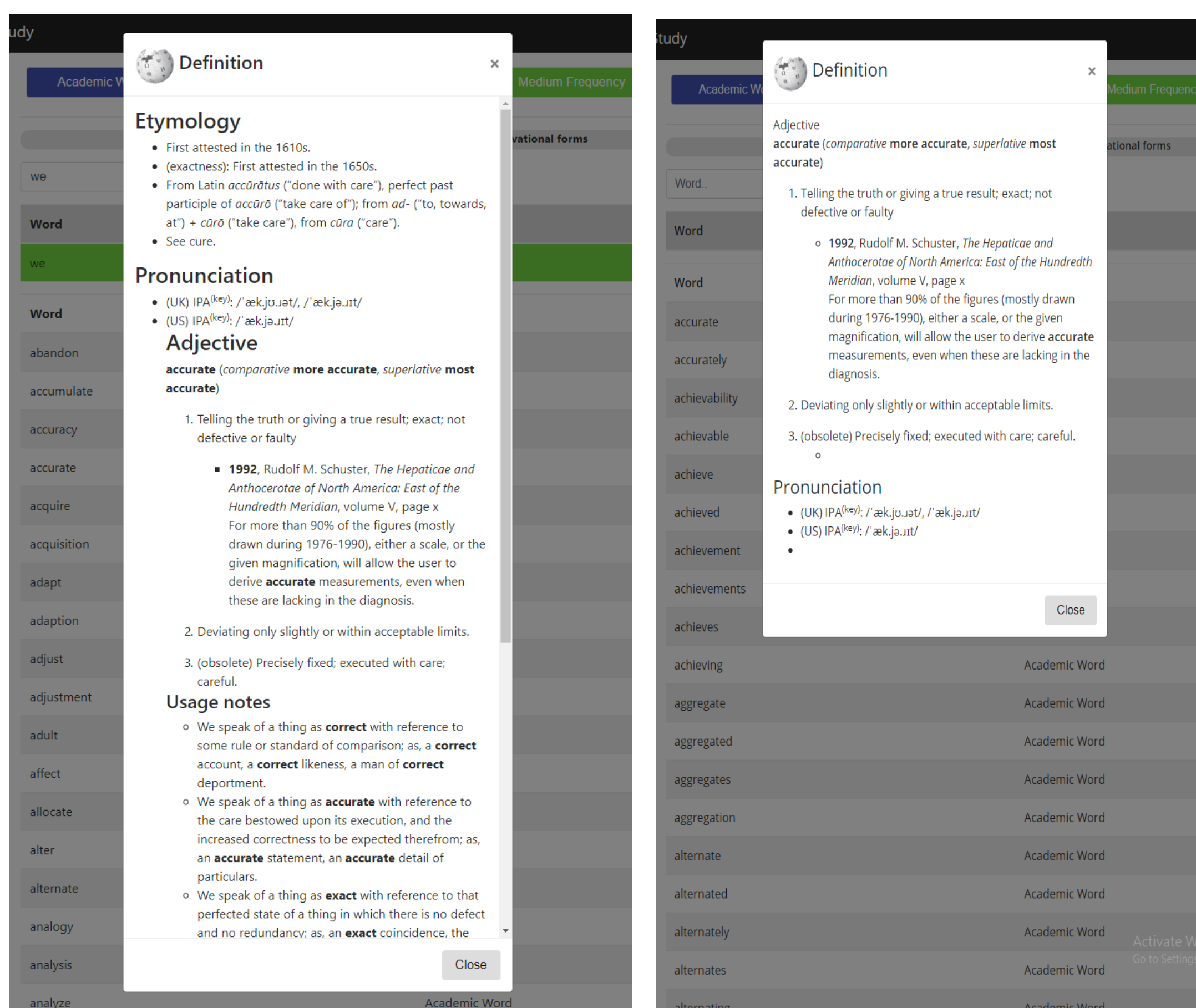


Verification

ID	VIRS-DICTIONARY-001
Name	Valid Dictionary Definition Return
Category	Sunny Day
Description	User receives cleaned definitions for all words in the dictionary
Preconditions	User should be inside the dictionary looking at the list of words

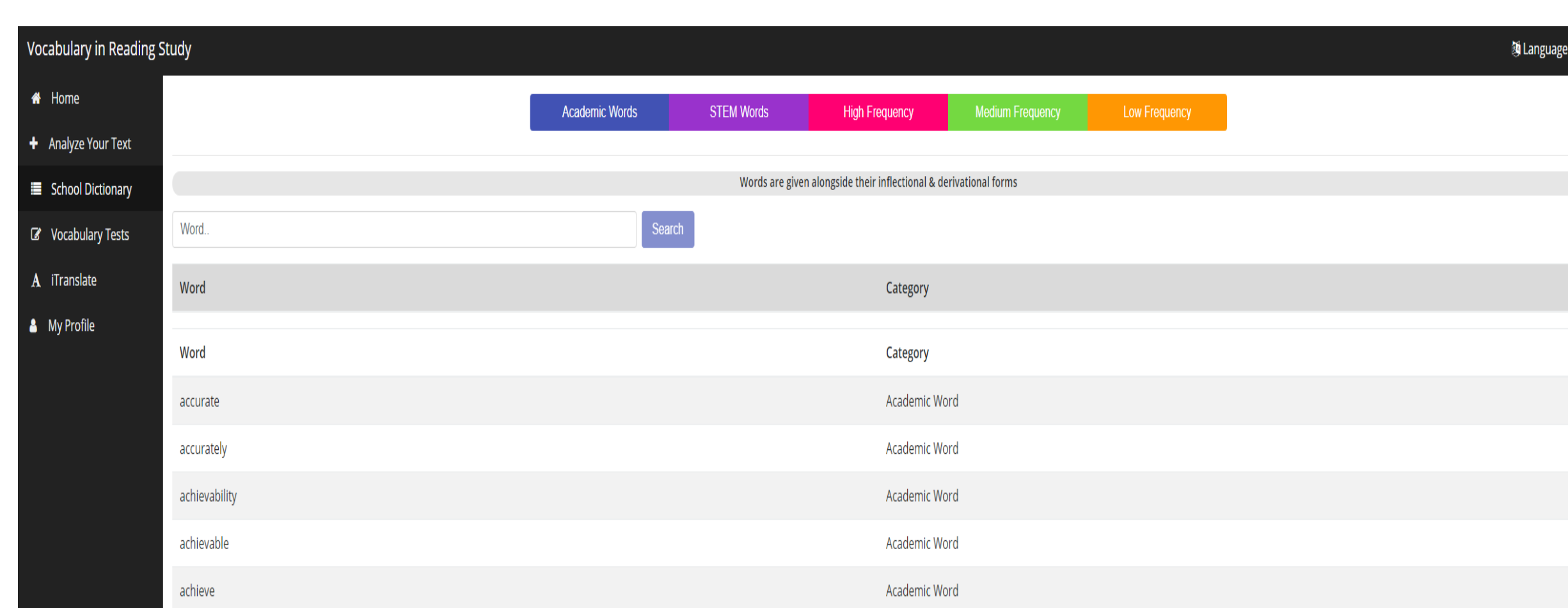
Step	Data	Expected Result	Actual Result	Status
Click on a word inside of the dictionary	Load	A window should appear displaying a cleaned definition of the word	A window did appear and displayed the cleaned version of the definition	Pass

Screenshots

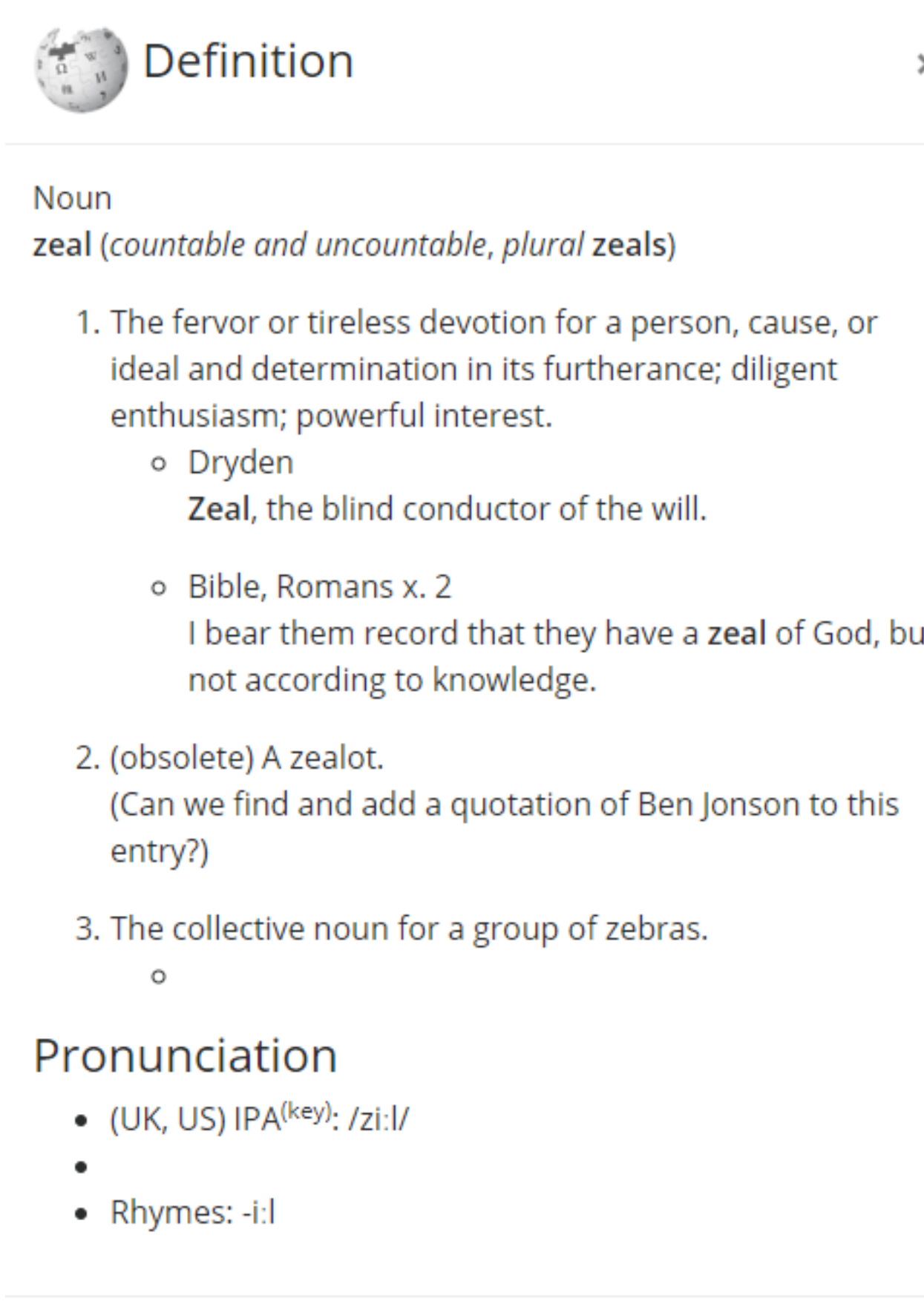


Before

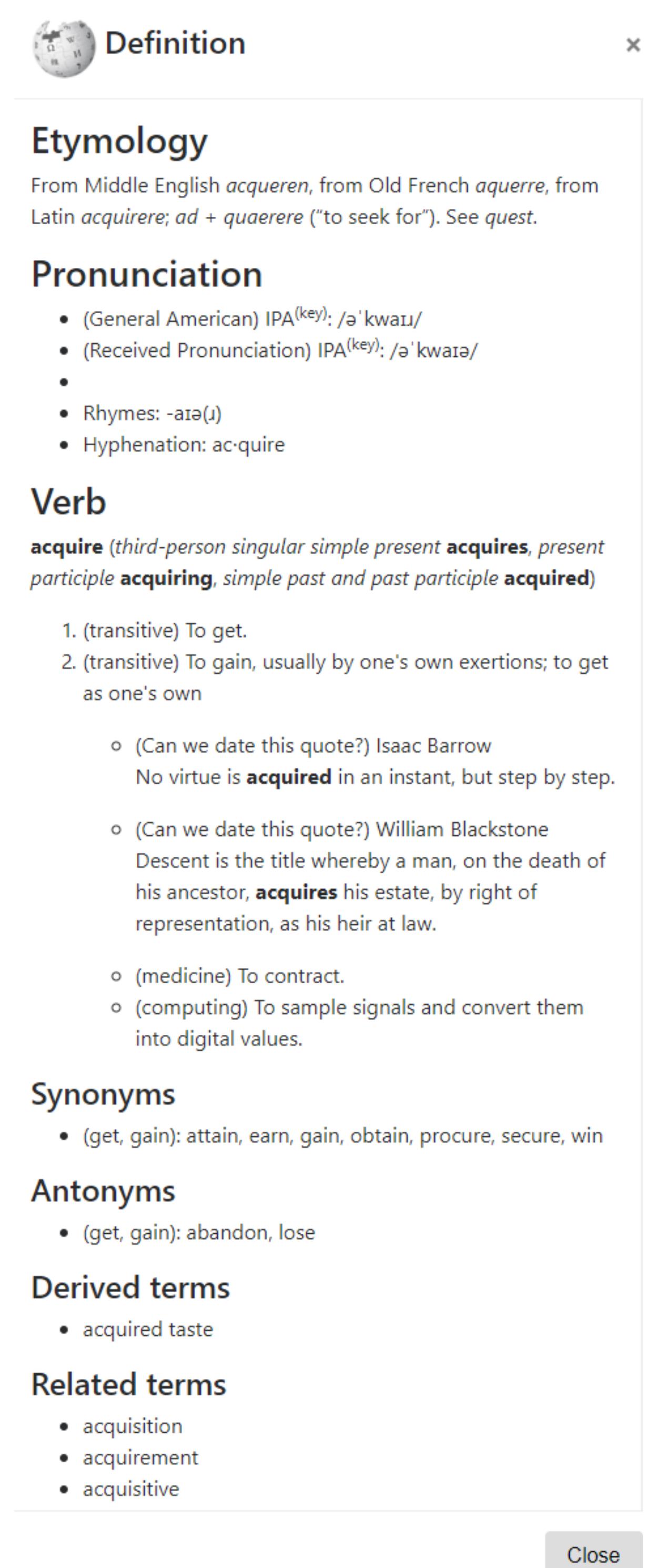
After



Dictionary with Essential Categories



Cleaned Definition



Original Definition

Summary

- Users now have access to a categorical dictionary containing essential English words.
- Users can now view more streamlined definitions when browsing the dictionary.

Acknowledgement

The material presented in this poster is based upon the work supported by Seyedjafar Ehsanzadehsorati, Dr. Masoud Sadjadi, and Aaron Feng. I thank my team members for their assistance and cooperation that I received throughout this process.