

# WAP FINAL PROJECT

**Prof. Kalu**

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## Project Title:

MUM Dictionary

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# Project Proposal:

MUM dictionary is a web-based application for users to find any word definition, synonym, antonym, examples, rhymes and many more. Our project has a simple user-friendly interface that constitutes signup and sign in for every single user and every user data is maintained for future and faster access.

Once the user gets signed in, our application will show the user its own dashboard where he can search for his query and some more functionalities to access. When the user searches a specific keyword, our application will check from the database that either that keyword information exists in our database or not. If it exists, we will fetch the data from our database and show it to the user depending upon what option he selected. If not, our application will get the data from an API that we are using for our project i-e WordsAPI which will get back the data in JSON format and we will save the data into our database for future queries. The data that we are showing to the user will be in the format like

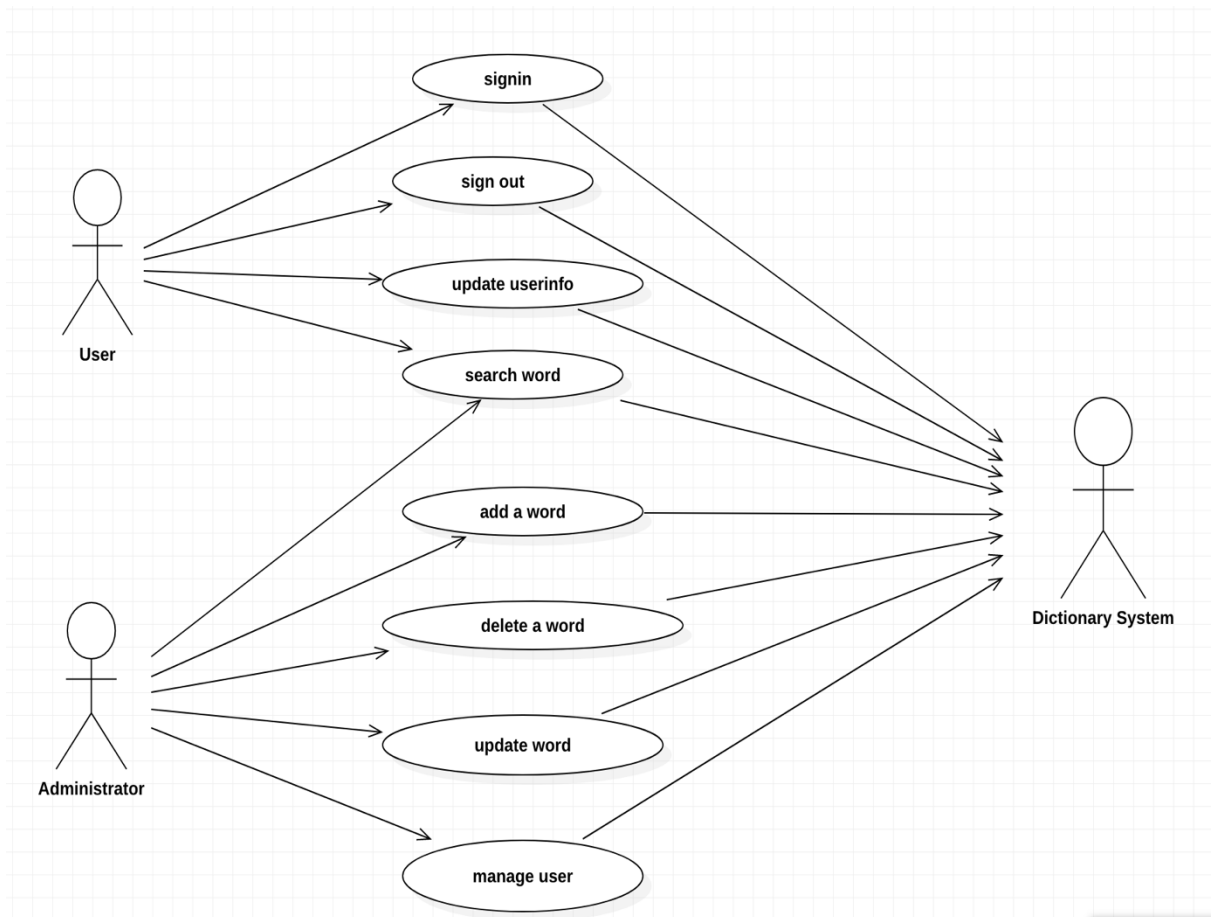
- Definition of the word
- Synonyms
- Antonyms
- Rhymes
- Type of
- Examples
- Similar to

Moreover, Once we achieved this we are planning to show active users and also generate random quizzes for every user so that he can check his vocabulary and increase his learning. We will generate a separate Table for questions and answers based on data we are getting from API. Users can also recommend that quiz to another active user who is online at that time.

In the future we can scale this application to extend it to some more brain sharpening games to increase the vocabulary and knowledge of the user and to increase interaction of the user with this web-based application.

# Project Design:

Use-case:



## Class-diagram:

