

A Japanese Language Learner's Dictionary App



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Challenge

What is difficult of making a language app is having sufficient value and convenience that it is worth using alongside or in place of other apps or methods, including simple paper & pencil.

Project Motivation

As not just a CS student but also one of Japanese Language & Culture, this project combines both of my fields of study. The app is to assist in studying by being a dictionary of words chosen by the user, with the ability to create groupings of words. This can be used to create study-lists of words present in various media such as manga volumes or anime episodes.

Improvements & Additions To Be Made

- Grammar Roles & Conjugations
- Groups as Study Sets
- Exporting & Importing (sharing) Groups

Accomplishment

I made a functioning app for Android phones. I created a design plan and executed it through to completion.

Create/Edit Word Page

When a user discovers a new word, they can add it to the app, possibly assigning it to a group for the context of where they found it.

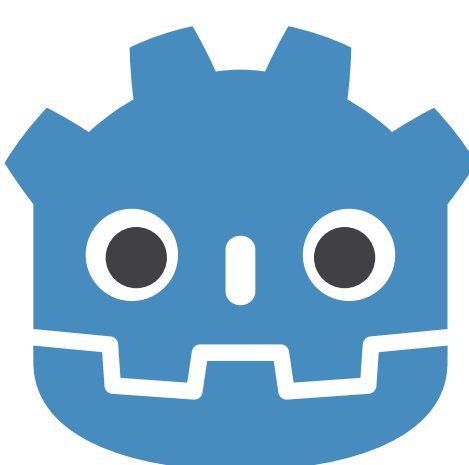
Search Word-List Page

Displays the results of a search. Conjugation is not built into the dictionary but is simulated in searching by cutting off the final character of the saved words for a prefix search.

Groups Page

Displays all the groups that have been created along with previews of some of the words assigned to each group.

Technologies



GODOT
Game engine



Godot SQLite
GDNative wrapper for Godot 3.2+