

LexiLog

Overview

LexiLog is a vocabulary journal app designed for individuals who want to expand and retain new words they encounter. Users can quickly log new words they hear or read, receive a real-time definition sourced from an external dictionary API, and document their own usage examples to reinforce learning. The goal is to support active vocabulary acquisition in a more intentional and customizable way than generic flashcard apps or a regular notes app.

Value Provided

Learners often come across interesting or unfamiliar words but forget them without a structured way to revisit or reflect on them. LexiLog bridges that gap by making word capture instant and personally contextualized. It encourages active learning and a feeling of achievement by allowing users to track and reinforce their growing vocabulary.

Key Features

- Input a new word and fetch its definition from a dictionary API
- Store multiple personal usage examples
- Tag words (e.g., "academic," "casual," "literary")
- star favorites or mark words as "mastered"

Stretch Goals

- Flashcard review mode
- Daily "word of the day" from saved list
- Usage progress tracker
- Sync data with Firebase Auth for cloud access
- Take care of misspelled words (via user)

Target Users

- Students aiming to strengthen their vocabulary for academic or standardized testing
- Writers and avid readers who encounter and want to retain new vocabulary
- English learners looking for a personalized language learning tool

User Stories

- *As a student, I want to tag and organize words by context (e.g., literary or science) so that I can revisit them when studying.*
- *As a writer, I want to add my own usage examples so that I can internalize the words through meaningful reflection.*
- *As a language learner, I want to look up and save new words so that I can practice using them in my own speaking and writing.*

Technical Architecture Plan

Frontend

- React for building the user interface
- [React Router](#) for navigation (e.g., Home, Add Word, Word Log)
- Components: [WordList](#), [WordCard](#), [AddWordForm](#), [UserExamples](#), [Header](#), [Login](#)
- Hooks: [useState](#), [useEffect](#), [useContext](#)

Backend

- [Firebase Firestore](#): to store user accounts, saved words, and personal usage examples
- [Firebase Auth](#): for user authentication (Google or email/password login)
- [External APIs](#): [DictionaryAPI.dev](#) to fetch word definitions, parts of speech, and example usages

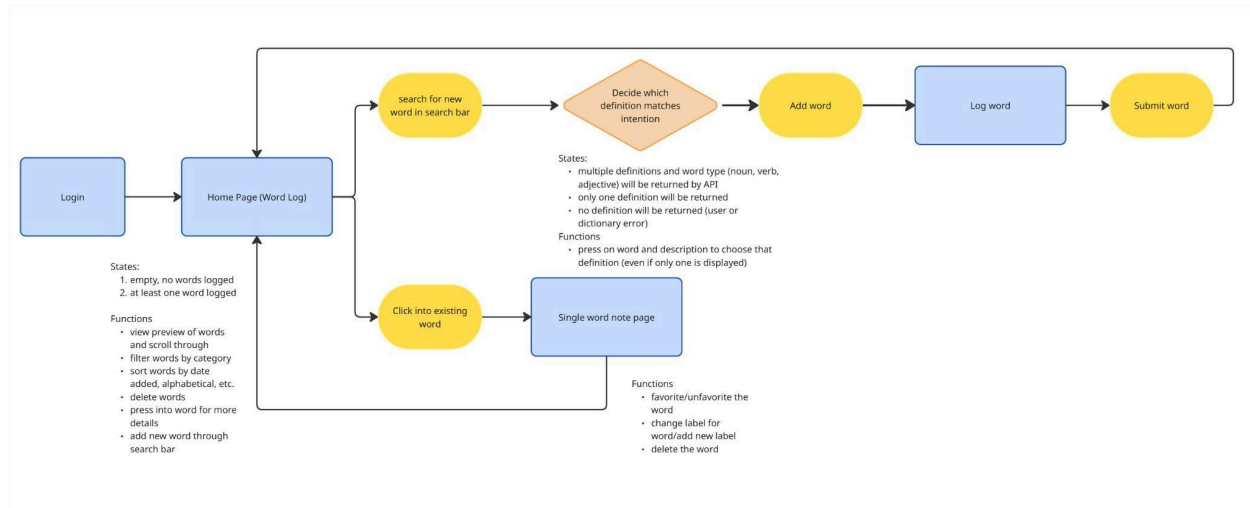
Github

[Github Repo](#)

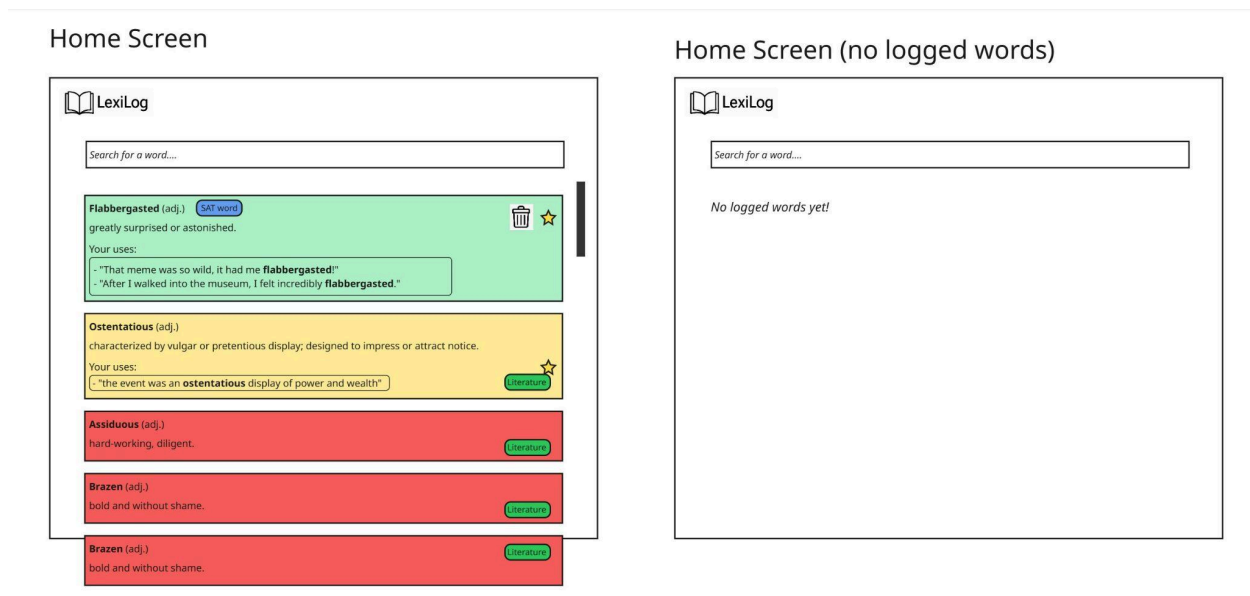
Wireframes

[Miro Board](#)

Flowchart




Low-Fi Frames



- The green, yellow, and red indicate how familiar the user is with the word, respectively.

Click into One Logged Word



Flabbergasted (adj.)
greatly surprised or astonished.

SAT word

★


Notes:

I first heard this word being used in 'Supernatural' ep 4, the sentence was "Sammy I'm just so flabbergasted you would do such a thing, risking your life".

I really liked the way it was used and how different the word is from day-to-day causal words.

Good way to remember the word is by rembering
"I'm so GASSED - I can't believe it" like flaberGASted

Search to log a word (1 def)



←


Asinine

results (1)

adj.
extremely stupid or foolish.

+

Search to log a word (multiple def)



←

Date

results (4)

n.
the day of the month or year as specified by a number.

+

n.
a social or romantic appointment or engagement.

+

v.
establish or ascertain the date of (an object or event).

+



v.
indicate or expose as being old-fashioned.

+

v.
go out with (someone in whom one is romantically or sexually interested).

+

add word



Flabbergasted (adj.) ☆

greatly surprised or astonished.

Choose Type

Brand New



Familiar

Mastered

Notes:

Submit

choose type/create new



Flabbergasted (adj.) ☆

greatly surprised or astonished.

Choose Type

Enter Label Name...

Scientific

Old words

Submit

Timeline

Week	Milestone
5/11-5/17	Define scope, set up GitHub and Firebase project; build base UI layout (Home, Add Word, Word Log)
5/18-5/24	Integrate dictionary API; enable word input and definition fetching; connect Firestore for saving words
5/25-5/31	Add user authentication with Firebase Auth; complete personal usage tracking and tagging features
6/1-6/5	Final polish: add filtering and search, refine UI/UX, and finalize submission materials