

Homework project

Problem Description:

Develop a simple offline dictionary app that allows users to search for word definitions and synonyms without the need for an internet connection. The app should provide a user-friendly interface and store word data locally.

Requirements

Word data

- Create a local database or dataset of words along with their definitions and synonyms. You can use a simple SQLite database or whichever you consider being the most appropriate. You can use [Websters dictionary](#) as the initial data set.
- Develop an ingestion process, filling the local data base from the dataset.

User Interface:

Design a user interface with the following components:

- A search bar where users can enter a word.
- A "Search" button to initiate the search.
- Display areas for:
 - Word definition.
 - Synonyms for the word.

Search functionality

When a user enters a word and clicks "Search," the app should retrieve and display the word's definition and synonyms from the local database.

Error handling

Implement error handling for cases you consider necessary, and provide meaningful error messages.

Development process

Please submit:

- Code and documentation for the dictionary processing part (convert dictionary to internal database)
- Code and documentation for the app