Ali, Caelan, Rami

https://github.com/nehmea/2022-FSD-AppDev1-project

Senkou Cards

Team 2: Web-app Por Favor (WPF)

**Proposal**

We plan to create a WPF application where you use flashcards to memorize new topics. Each flashcard will be composed of a “Front” and a “Back” where the front contains the name of the words that you are learning, and the back contains the definition. When a user creates a card, they assign it to a Deck, which groups cards by topics.

Users can either use an “Official Deck” that is stored in the cloud or import a “User Deck” that is created by a user. Official Decks are curated by the app creators and for this assignment there will only be one which covers English vocabulary.

Once a deck is created, you can quiz yourself on it. There are 3 quiz modes: Sentence, Listening & Writing and Definition mode.   
For a User Deck, only definition mode is available. In it, users are shown the front of a card and must recall from memory the back. Once they have seen the back, they must self-report if they got the answer right.

For Official Decks, Sentence, and Listening & Writing mode are also available. In the former, a sentence is presented with a blank and four multiple choice questions. The user must correctly guess which word fits in the blank. Whereas, the latter presents the user with the audio of a word, and they must type in the word they hear.

Scoring for both is done automatically and counts towards your global user score.

Here are some of the technologies we intend to use:

-LINQ  
-Ribbon  
-Sound  
-Import and Export of deck files  
-WebAPIs for audio and sentences  
-Installer  
-Material Design Toolkit  
-Unit Testing  
-Tab control and toolbar

**Database ERD**

Diagram

Description automatically generated

**Diagram

Description automatically generatedMock-Up/ Design**