Members: MARQUEZ, GABRIEL COSTES | ESCOBAR, MARK ADRIAN HERNANDEZ
Web Application Proposal: Flashcard & Dictionary App

FEATURES

Register

The user is required to register for an account in order to use the features of the app. The information needed for registration is their email and password.

Log in

Users with an existing account have the option to log in. The user has the option to tick a "Remember me" box for easier subsequent access to the web app. After logging in, the user is shown flashcards that are due for review.

Log out

The user has the option to log out from the web app at any time. This will clear the "Remember me"-related data, and the next visit will require the user to log in.

View account details

The user can view his/her current email address.

Change account details

The user is provided an option to change the email address as well as the password of the account.

Delete account

The user can delete their registered account. All information connected to the account (email, password) and all of their personal flashcards will be purged from the database.

Study all flashcards

The user can click a button to start studying flashcards. During this session, the user will be presented with every single flashcard from every deck due for review, one-by-one. If no cards are due for review, the user can opt to study new flashcards. The front content is shown first, and the user must recall its back content. If the user correctly guesses the answer, click the PASS button. If not, click the FAIL button. The flashcard's due for review date will then adjust appropriately depending on the answer.

Add a flashcard

A flashcard is composed of front content (Japanese) and back content (English translation/meaning). The user can add a flashcard containing the specified front and back content. The user can also add sample sentences from the dictionary as a flashcard conveniently with a button.

View all flashcards

At any time, the user can view all of the flashcards that have been added. This includes information about the front content, the back content, and the date when the card is due for review.

Edit flashcard

The user may edit the front and back content of any card, but they cannot edit the date when the card will be due for review.

Delete flashcard

The user has the option to delete any flashcard that the user has created.

Create Deck

A deck is composed of multiple flashcards grouped together. At any time the user can create a new deck. A name is required to be specified during the creation of a deck. When a user creates a new flashcard, they must specify which deck it belongs to.

Study deck

A user can choose to study/review flashcards under a specific deck. The number of cards due for review for every deck is shown to the user, allowing them to appropriately choose a deck to prioritize in reviewing.

Add flashcards to deck

All flashcards must have their own assigned deck. During the creation of flashcards (see **Add a flashcard**) the user must specify which deck does the new flashcard be added to. The user may also navigate to a deck and add new flashcards from there for convenience.

View deck information

All cards associated with a deck are shown. Useful information like the number of flashcards under that deck will also be provided.

Move flashcard to another deck

The user can transfer selected flashcards to another deck when the user edits a flashcard.

Edit deck information

The user can rename a deck at any time. In addition, flashcards under that deck will be shown for the user to conveniently edit, which also includes a streamlined process for transferring flashcards to another deck.

Delete deck

The user is allowed to delete a deck. In doing so, the deck and all the flashcards it contains will be removed.

Search flashcard

The user may search for a certain flashcard that the user has created. The user inputs a certain phrase/word (either in Japanese or English) and flashcards with substring match to either its front or back content will be part of the result.

Search Japanese definition

The user has access to a Japanese dictionary. The user can enter a certain Japanese word to look up its definition. An English translation will be shown for the provided Japanese word. In addition, sample sentences in Japanese and English will be shown containing that particular word.