XiaoMack's Design Doc for *P02 – Makers Makin' It, Act I*

↳ Roster: Evan Khosh, Jake Liu, Thomas Mackey, Haowen Xiao

PROJECT NAME: Quizliu

TARGET SHIP DATE: 2026-1-16

Program Components

sqlite3 (backend data storage system)
user_info

Python (application layer)

Flask (web server/delivery framework)
__init__.py

HTML (frontend display):
login.html
register.html
profile.html
home.html
create.html
flashcards.html
match_pair.html
quiz.html

JS:
flashcards.js
match_pairs.js
quiz.js

APIs:
N/A

Component Explanation

Our sqlite3 database **user_info** will be accessed by:
- **register.html** (to add new user information)
- **login.html** (to access existing users' login information)
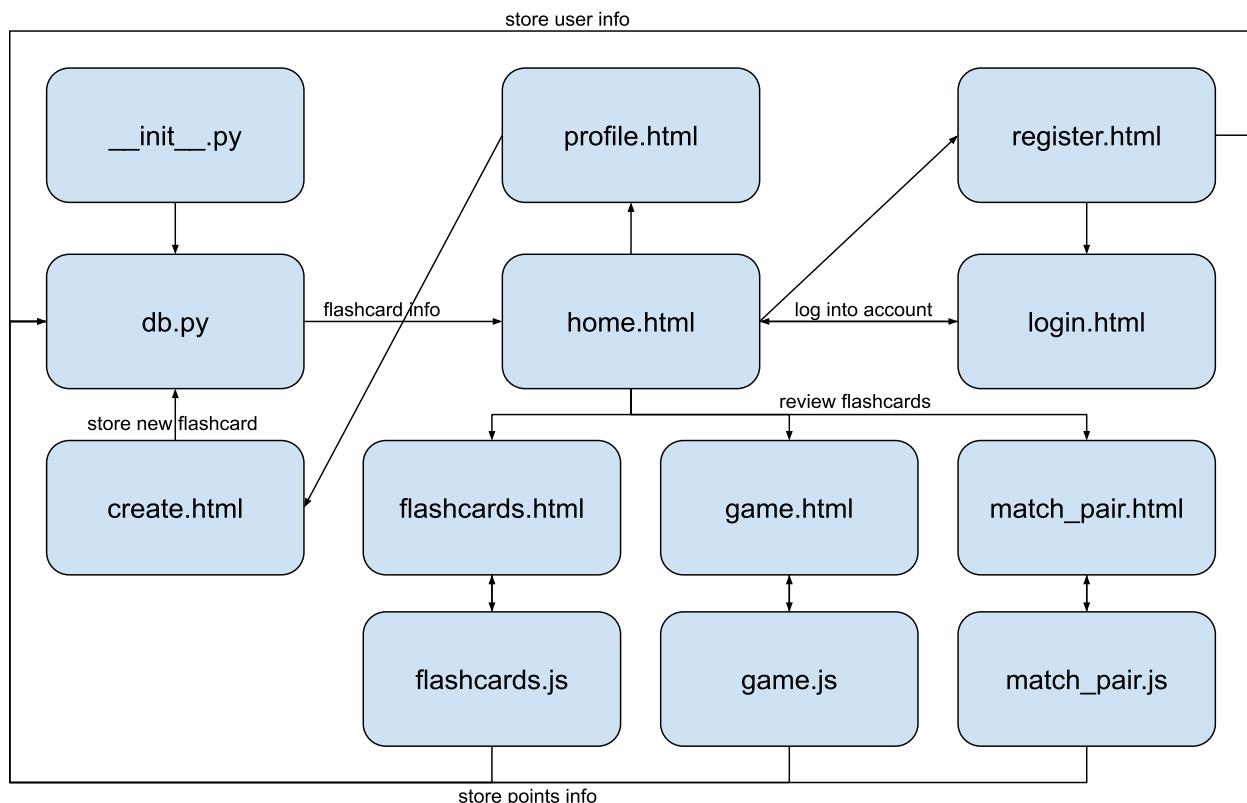
- **profile.html** (to display a user's information)
- **home.html** (to display a user's information and showcase flashcards)
- **create.html** (to allow users to create a new set of flashcards)

Games:
- **flashcards.html** (to display a set of flashcards)
- **match_pair.html** (to display a matching game for a set of flashcards)
- **quiz.html** (to display a quiz for a set of flashcards)

The javascript files (**flashcards.js, match_pairs.js, quiz.js**) will interact with their corresponding HTML files (**flashcards.html, match_pairs.html, quiz.html**) to make games functional.

Component Map
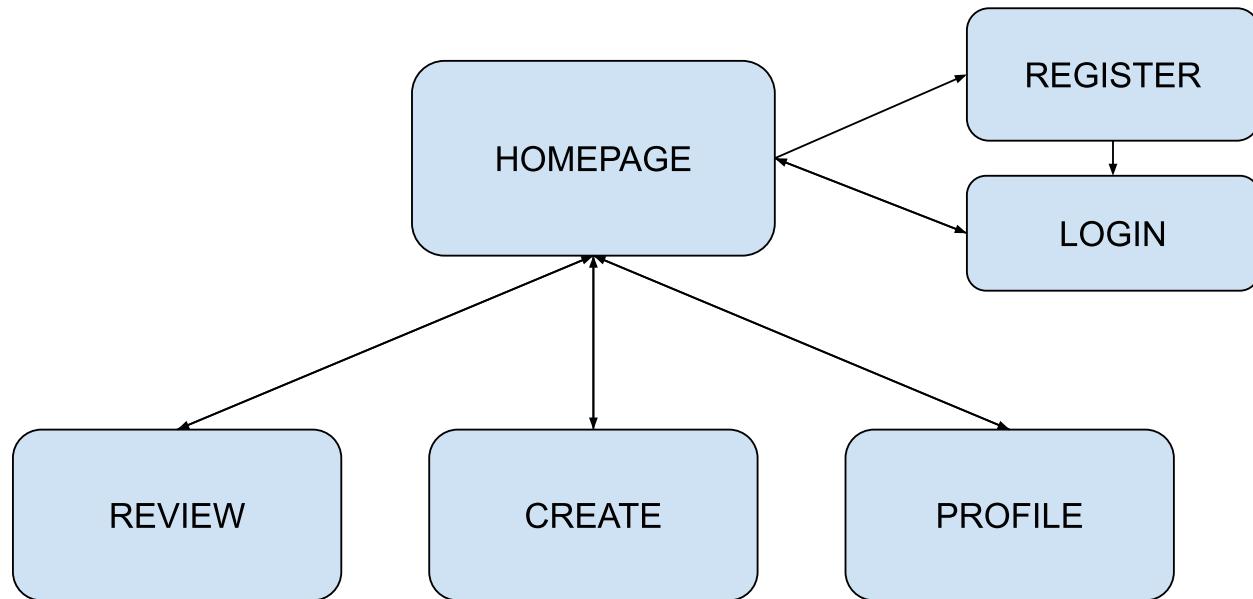
Database Organization

USER_INFO		
TEXT	username	PK NOT NULL

TEXT	password	NOT NULL
INTEGER	points	NOT NULL
TEXT	flashcards	

FLASHCARDS		
TEXT	title	NOT NULL
TEXT	creator	NOT NULL
INTEGER	card	NOT NULL
TEXT	front	NOT NULL
TEXT	back	NOT NULL

Site Map (front end)

Member Tasks/Roles

Jake Liu	Home, Create, Review

Evan Khosh	PM, Database, Flask
Thomas Mackey	Register, Login, Profile
Haowen Xiao	CSS, Match Pair, Game

FEF Selection: BOOTSTRAP