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sheep
P2 Design Document
TARGET SHIP DATE: 2026-01-16

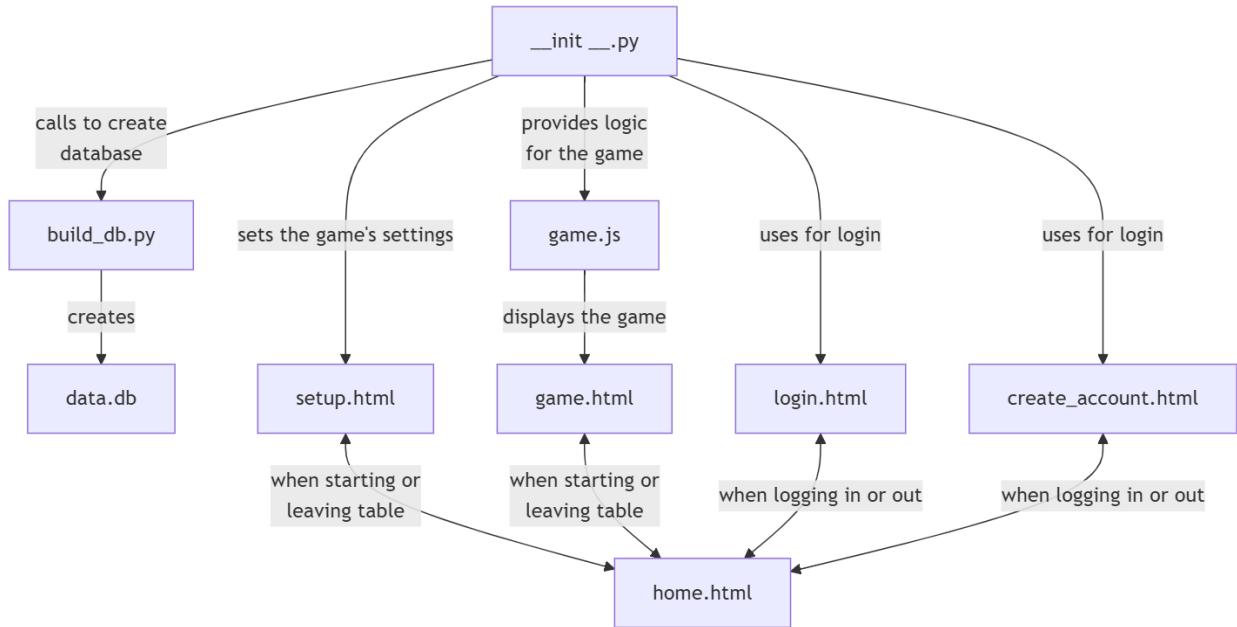
PROJECT DESCRIPTION:

A draw poker game where users can create accounts & log in, then play against a bot and bet fake currency. If the player loses all their money, they can be bailed out with a button. The game ends when the player wishes to leave the table, and their current balance is saved.

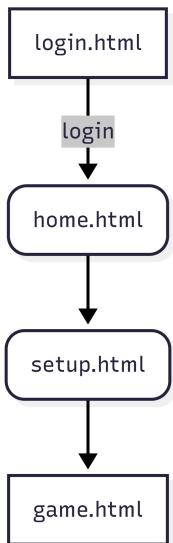
COMPONENT STRUCTURE:

- `__init__.py`: Runs flask, calls `build_db.py` and `poker.py`
- `build_db.py`: Creates `data.db`
- `data.db`: Used for storing account info
- `login.html` & `create_account.html`: Creating accounts and logging in
- `home.html`: Page to direct people to a poker game or the bailout button.
- `setup.html`: Menu for creating a poker game, with a minimum bet setting.
- `game.html`: Where poker is played. There would be buttons for the various actions you could take. JS will be used here.
- `game.js`: Contains some of the poker logic and helper functions, used when a game is running.

COMPONENT MAP:



SITE MAP:



DATABASE STRUCTURE:

Users		
TEXT	username	
TEXT	password	
INT	balance	
INT	id	primary key AUTOINCREMENT

TASKS:

POKER LOGIC + BOT: TUDOR
JS: JIEFENG (JEFF)
HTML/CSS: MUSTAFA
PM/FLASK/DB: ANDREW

Frontend Framework:

Tailwind will provide us with much more flexibility to build our own styled elements and components compared to other frameworks, while most of our graphics will be javascript centric, for the HTML based sections of our website such as the login and home pages, tailwind will provide much needed graphical options like cards.

- HTML Templates
 - Login Page
 - User logs in
 - Register Page
 - User registration
 - Home Page
 - Can initiate a new game, navbar at the top with other
 - Interactive button, user gets loaned up to \$1000 max)
 - Setup Page
 - Game Page
- CSS Templates
 - Style.css, Tailwind