

Rotisserie Chicken's Design Doc for *P01 – ArRESTed Development*

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PROJECT NAME: Rotisserie Rumble

TARGET SHIP DATE: 2025-12-22

Program Components

sqlite3 (backend data storage system)

user_info (to store account information)

Python (application layer)

poker.py
blackjack.py
solitaire.py
tarot.py

Flask (web server/delivery framework)

__init__.py

HTML (frontend display):

login.html
register.html
profile.html
charge.html
floor.html
tarot.html
solitaire_cheat.html
solitaire.html
blackjack.html
poker.html

APIs:

Deck of Cards API - this API can be utilized in most of our games for basic card functions (shuffling, drawing, etc.)

Tarot Card Meanings API - this will be used to facilitate the implementation of tarot card rules.

Evil Insults API - the house will say an insult to the player if player loses

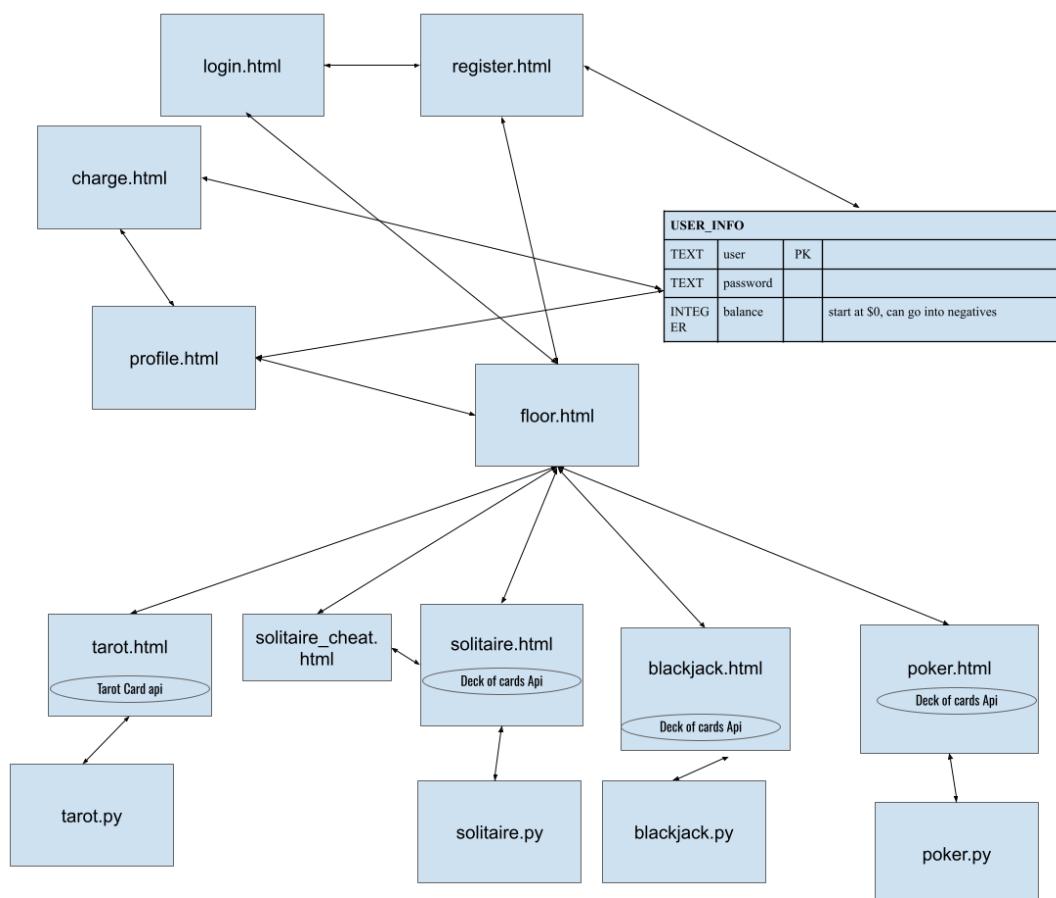
Component Explanation

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)
- **charge.html** (to provide a place to input card information to add currency)
- **floor.html** (to display a user's information)
- **tarot.html, solitaire.html, blackjack.html, poker.html** (to access and change balance)
- **poker.py, blackjack.py, solitaire.py, tarot.py** (game functionality abstractions)

Every page is dynamic because they have user-specific outcomes and/or require access to the ***user_info*** database to add/remove displayed information.

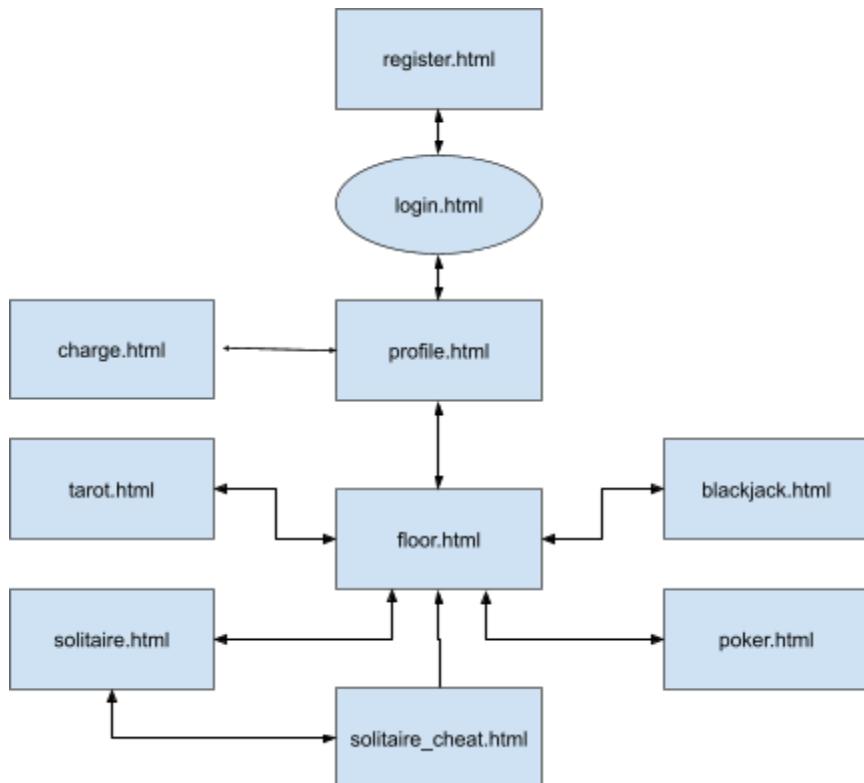
Component Map



Database Organization

USER_INFO			
TEXT	user	PK	
TEXT	password		
INTEGER	balance		start at \$0, can go into negatives

Site Map (front end)



Member Tasks/Roles

Jake Liu	Poker, python, blackjack
Cindy Liu	Solitaire, Login + Register, python
Veronika	Tarot, Profile, Charge, python

Duvanova	
Robert Chen	Floor, python

FEF Selection: TAILWIND

Features like the hover, focus, active, disabled, and group-hover psuedo-classes make Tailwind intuitive for us to use. Tailwind also makes components easy to use with @apply.

REST API Selection

1. <https://www.deckofcardsapi.com/>
2. <https://www.freepublicapis.com/tarot-card-meanings>
3. <https://evilinsult.com/api/>