

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

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PROJECT NAME: Rotisserie Rumble

TARGET SHIP DATE: 2025-12-22

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## **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

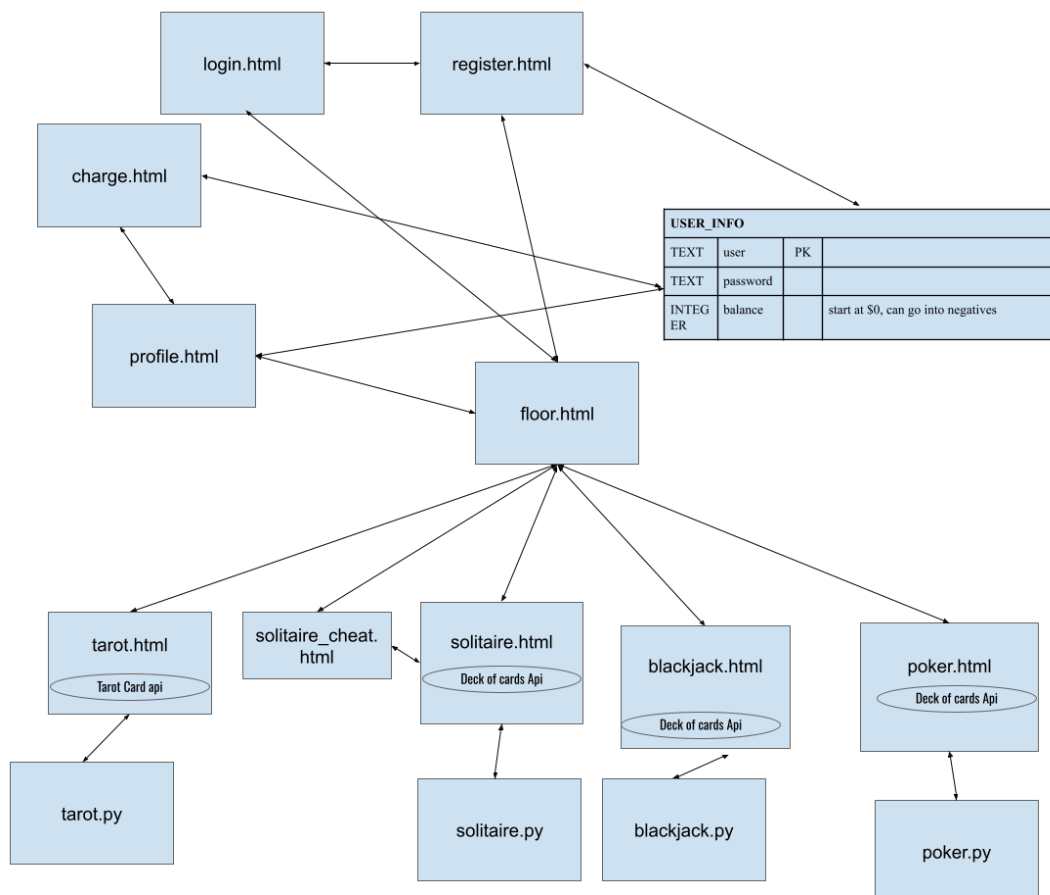
# Component Explanation

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

<b>Jake Liu</b>	Poker, python, blackjack
<b>Cindy Liu</b>	Solitaire, Login + Register, python
<b>Veronika</b>	Tarot, Profile, Charge, python

<b>Duvanova</b>	
<b>Robert Chen</b>	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/>