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REST

SoftDev

P01 - ArRESTed Development

2024-11-25

Time Spent: 2 hours

Target Ship Date: 2025-01-17

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## Description

Answer trivia questions correctly to earn points to gacha (spend in-game currency to randomly obtain a game item) with.

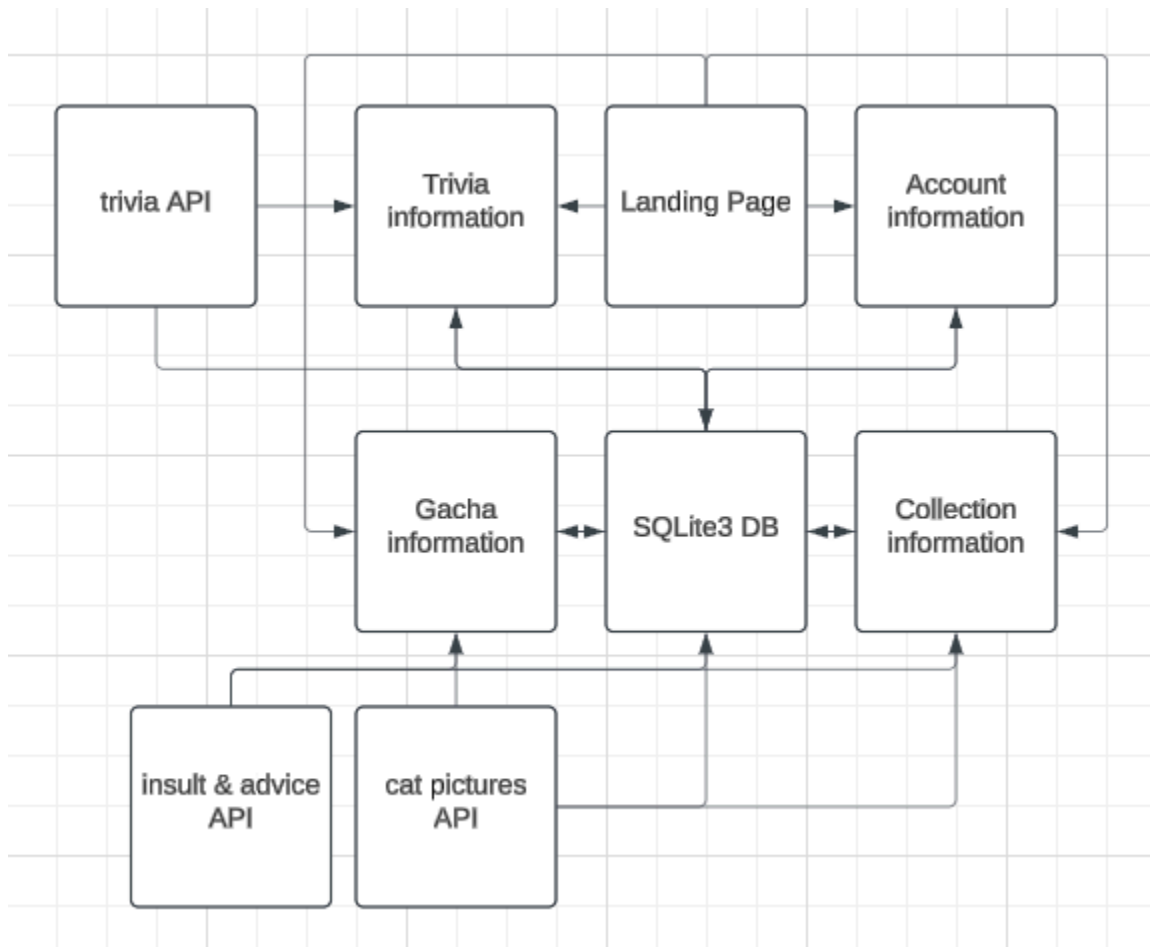
## APIs

1. <https://evilinsult.com/api/>
  - a. Provides insults (quotes) and who they are attributed to
2. <https://api.adviceslip.com/?ref=apilist.fun>
  - a. Provides advice (quotes)
3. <https://nekosia.cat>
  - a. Provides “cat” pictures
4. <https://the-trivia-api.com/docs/v2/>
  - a. Provides trivia questions, their difficulties, and correct and incorrect answers

## Components

- Accounts
  - Log in
  - Log out
  - Register
  - Sessions
- Trivia
  - Difficulty selection
  - Question & response
- Gacha
- View your collection
- Render pages via HTML
- Store information via SQLite3
- Load quotes, questions, and images from APIs

## Relations



- Account information will be stored via SQLite3
- Used trivia question IDs will be stored via SQLite3, so will image and quote IDs that the player already obtained
- Insults will be given if you answer the question wrong
- HTML pages and SQLite3 will render and store a lot of information provided by APIs

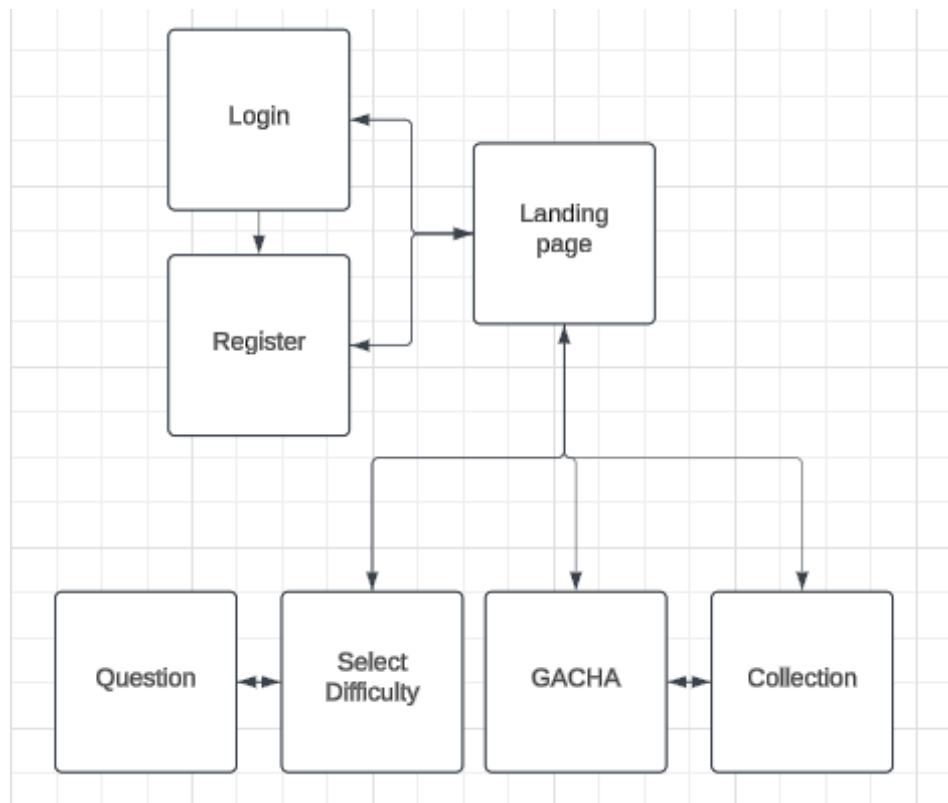
## Databases

| Users          |
|----------------|
| Username TEXT  |
| Password TEXT  |
| UserID INTEGER |
| Points INTEGER |

| Cards          |
|----------------|
| imgLink TEXT   |
| Quote TEXT     |
| UserID INTEGER |

| Used             |
|------------------|
| Advice BOOLEAN   |
| Insult BOOLEAN   |
| Image BOOLEAN    |
| Question BOOLEAN |
| PropertyID TEXT  |

## Site Map (front end)



→ /home  
→ /login  
→ /register

→ /selectD  
→ /question  
→ /gacha

→ /collection  
→ /logout

## Front-end Framework

Tailwind because of ease of use and variety of built-in features. Tailwind has some pretty cool animated effects. Columns, flexbox, and animations will definitely be used.

## Task Breakdown

Kevin (PM) - CSS & HTML

Chris - Flask

Tracy - API & FEF

Claire - DB

## If Time Permits

- Filter your collection (cat API is responsive to filters)
- Leaderboard (Show number of cards owned, highest total points)
- Grade/quality of cards (ex. 5 star “cat”) with appropriate probabilities
- Penalty, minus points if return to select difficulty page after opening a question
- Daily challenge