

Team OKzoomers

Members: Hannah Fried (PM), Matthew Chan, Saad Bhuiyan, Jacob Olin

Project Name: Sportsball Cards

Frontend framework: BOOTSTRAP

Division of Labor:

- **Database:** sqlite3 commands, facilitating adding/editing data, creation of databases, interaction with APIs to cache data
- **Frontend:** HTML templating files, using blocks, Jinja interactions
- **Backend:** linking form data from site to database functions, Flask routing to different stories, API implementation

- Hannah: **Project Manager**, **Backend** (mainly assisting)
- Matthew: **Database**
- Jacob: **Backend**
- Saad: **Frontend**

Database Layout Diagram(s):

sportsball.db

users - this table holds the authentication data necessary to check users' login information

user_id	username	password
0	"CobyEatsHorseMeat"	"dontTellMyWife"
1	"PETAisONyourBUTT"	"passableword"
... (INTEGER, UNIQUE, PRIMARY KEY)	... (TEXT, UNIQUE)	... (TEXT)

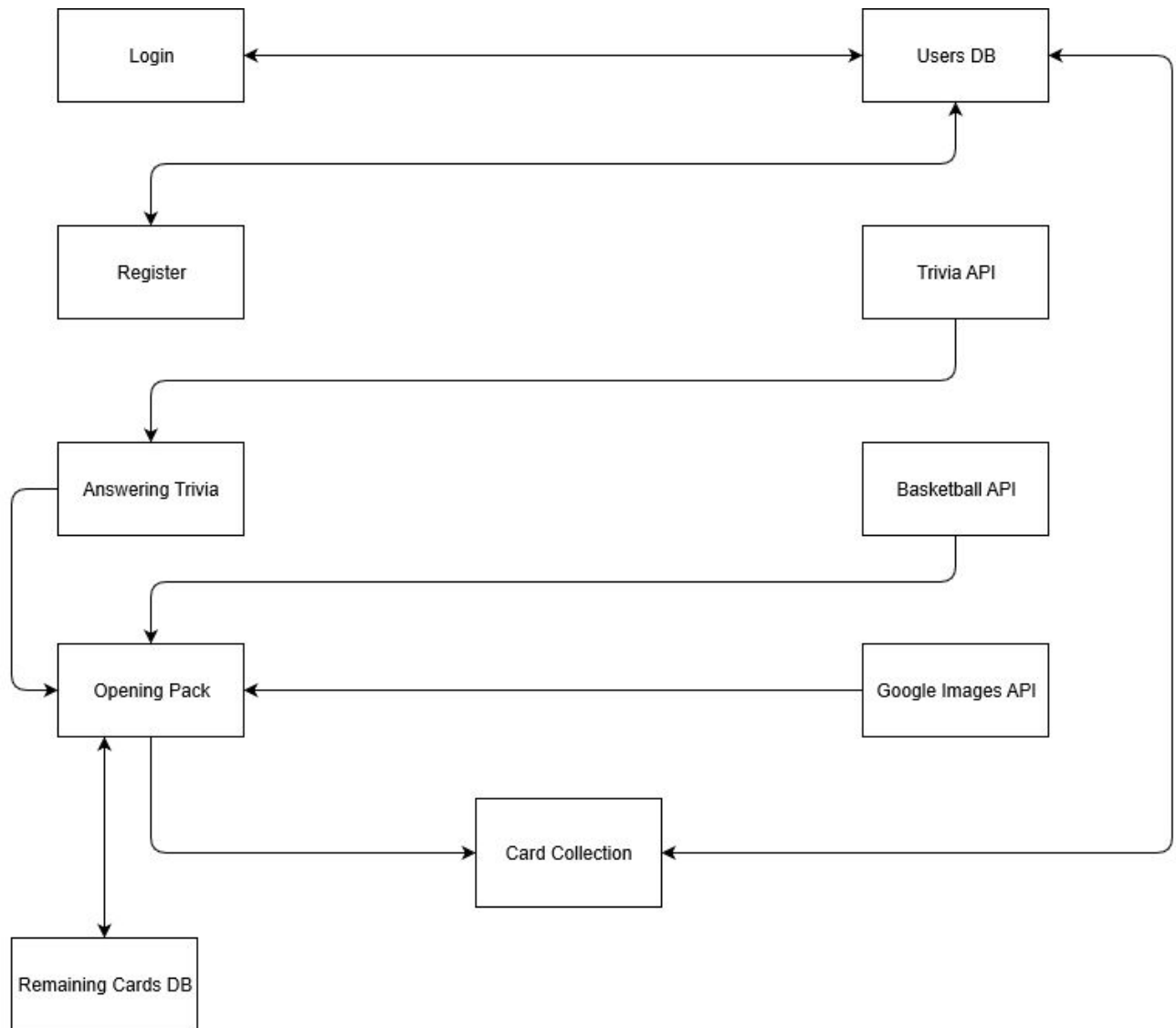
cards - this table holds the cards currently in existence; the rarity can be 1, 2, or 3 and will add to the maximum quota of cards of a given player_id calculated from the stats of that player

player_id	user_id	rarity
22	2	1
163	5	3
... (INTEGER)	... (INTEGER)	... (INTEGER)

cache - this table holds data accessed from APIs to optimize quota usage, the image holds a link to the player's headshot from the NBA Players API

player_id	first_name	last_name	team	avg_pts	image
115	Stephen	Curry	Golden State Warriors	16.2	https://nba-player-s.herokuapp.com/players/curry/stephen
...
... (INTEGER, UNIQUE, PRIMARY KEY)	... (TEXT)	... (TEXT)	... (TEXT)	... (INTEGER)	... (TEXT)

Component Map:



Component/Page Description:

Site Branding	Potential Navbar Items
<p>Login</p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p>Login</p> <p>Don't have an account?</p> <p>Register</p> <p>Flash (or alerts) for error messages.</p>	
<p>Register</p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p>Password <input type="password"/></p> <p>Submit Registration</p> <p>Flash (or alerts) for error messages.</p>	
<p>Trivia</p> <p>① Question</p> <ul style="list-style-type: none">ChoiceChoiceChoiceChoice <p>10 QUESTIONS</p> <p>⑩ Question</p> <ul style="list-style-type: none">ChoiceChoiceChoiceChoice <p>Question answer choices are buttons and will flash/alert if the indicated answer choice is correct or incorrect.</p>	

Site Branding

Potential Navbar Items

Trivia

Answer choices correct.

Pack earned?

Redeem Pack

Site Branding

Potential Navbar Items

Pack Content

Name
Image
Stats

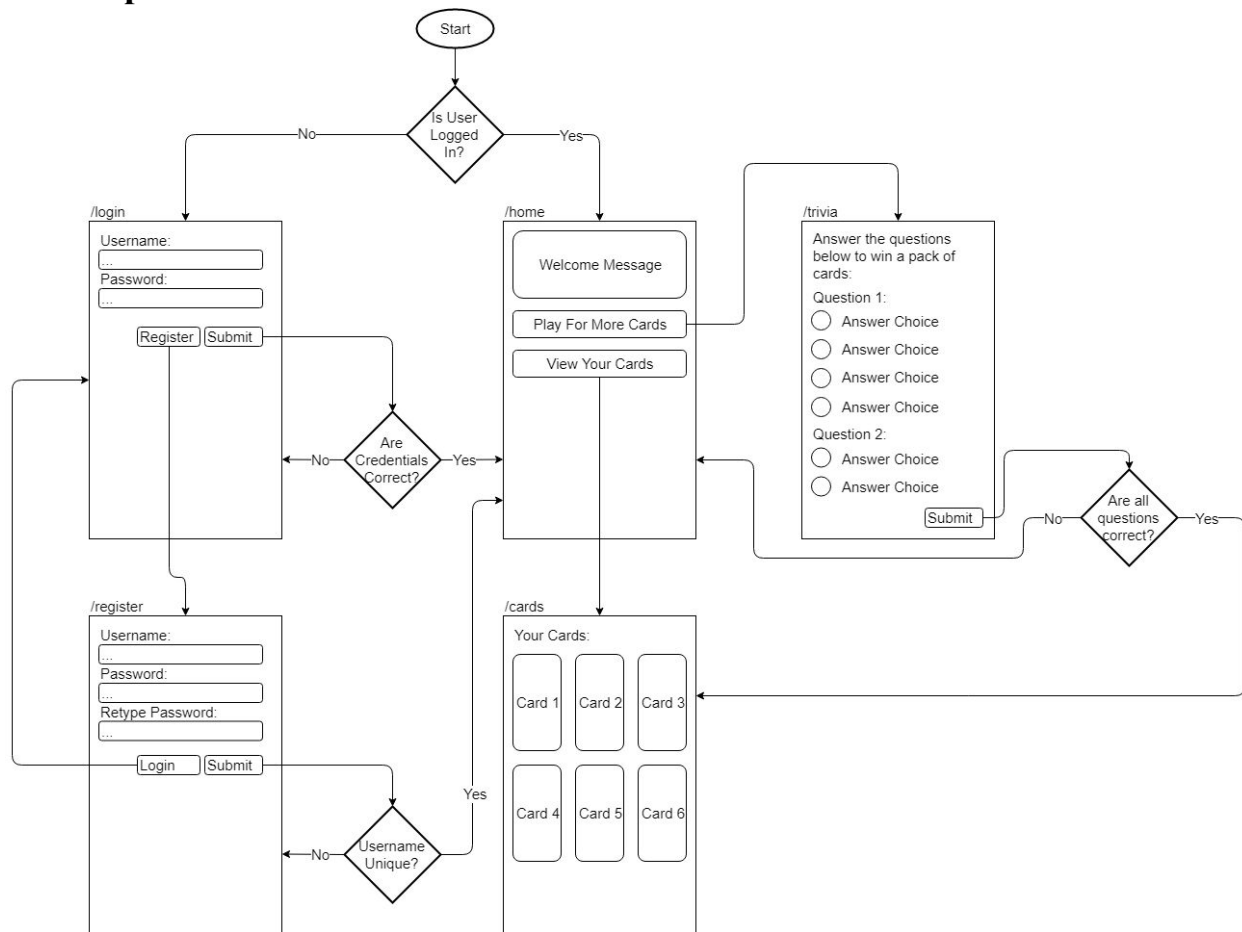
Site Branding

Potential Navbar Items

Username's Inventory

<table><tr><th>Name</th></tr><tr><td>Image</td></tr><tr><td>Stats</td></tr></table>	Name	Image	Stats	<table><tr><th>Name</th></tr><tr><td>Image</td></tr><tr><td>Stats</td></tr></table>	Name	Image	Stats	<table><tr><th>Name</th></tr><tr><td>Image</td></tr><tr><td>Stats</td></tr></table>	Name	Image	Stats
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Site Map:



**pages shown only include functionality aspects, for the design layout view the Components section*

https://opentdb.com/api_config.php

<https://www.balldontlie.io/#getting-started>

<https://nba-players.herokuapp.com/>