

Practical Jokers: Gordon Mo, Ameer Alnasser, Ryan Lee

SoftDev P01 – Rest API site

2022-12-05

Time spent: 1.5 hours

Target ship date: {2022-12-19}

Proposal: A game of blackjack against the dealer, which is an AI that plays by the house rules (hit if under 17). If you lose the hand, a joke appears. If you win, you will earn that amount of money and the country you play as will also gain that much on the leaderboard. You can't spend the country's money, only your own. Money is manually readded on the profile page when at 0

Program Components

- HTML
 - Login Page
 - On the Login page, we will prompt the user to log in with their provided user and password
 - Register Page
 - Give username, password, and country. Password is >8 characters, username cant be taken already, countries can be reused.
 - Home Page
 - Redirects to login and register if not logged in, leaderboard, profile, and play if logged in
 - Profile Page
 - Change your country, change password?
- Flask: serves the webpage
- Bootstrap: uses css to make the webpage user friendly. Helps with the organization through columns.
- APIS
 - Deckofcards API: we use this deck of cards to play our game of blackjack.

- Exchangerate API: used to convert currencies into other values
 - Joke API: A joke pops up for every loss/when you're bankrupt
- SQLite

Reach Goal

- Have animations for blackjack

Tasks Breakdown

Gordon: HTML stuff

Ameer: Database stuff

Ryan: Flask stuff

Clyde Sinclair(ALL): Bootstrap/design stuff

Front-end Framework we are using: Bootstrap! We liked the column framework more than the grid system in foundation. We also are planning to use its image implementation, as well as the display of the nav bar, called a breadcrumb.

DATABASE:

User table: username primary key, password, country

Dabloons table: username, highest money, current money, recent money won or lost

Country table: Country, total gdp, recent money won

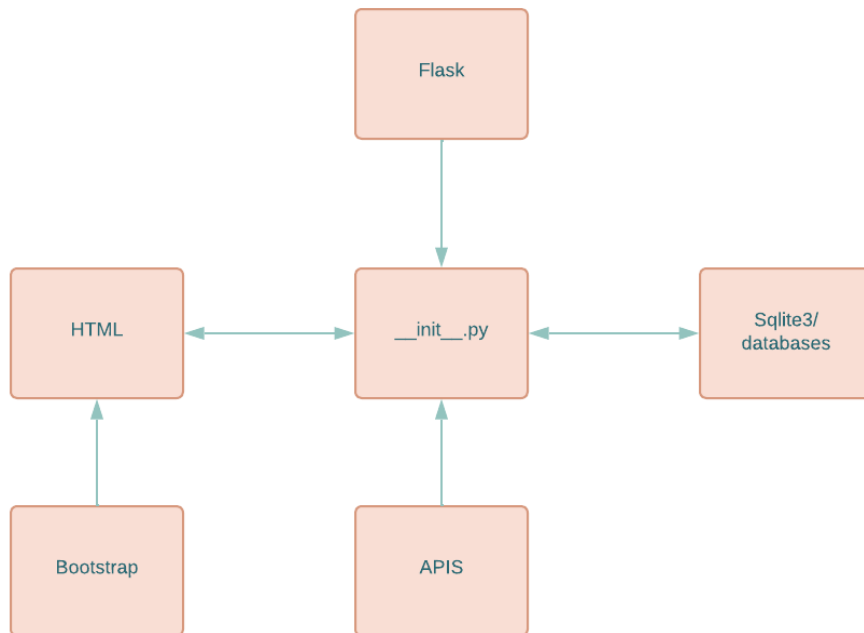
APIs we are using

Deckofcards <https://deckofcardsapi.com/>

Exchange rate <https://www.exchangerate-api.com/docs/overview>

Joke <https://v2.jokeapi.dev>

Component Map: (Files not listed)



Site Map:

