

Baguette Grabbers

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Framework:

Foundation

Roles

Tyler: Project Manager

William: Back end

Ethan: Back end

Jiong Hao: Front end

If we have time:

- Shop with different items
- Leveling system to increase multipliers: winnings multiplier, luck multiplier

APIs Used

Deck of Cards API-create games that requires the usage of a deck of cards (Blackjack, Poker)

Sudoku API-use a template of sudoku games for one of our minigames

Diceful API-create games that requires the usage of dice (Roulette, Craps)

Core Functionality:

A site where a user can play many different games, such as poker, roulette, slots, cookie clicker, sudoku. Poker, roulette, and slots will cost coins to play. A user can gain coins by logging in everyday, playing cookie clicker, or winning a sudoku puzzle. A timestamp will be used to keep track of when a user logs on, which will determine if they can claim their daily reward.

Databases

Users

id	username	password	funds	streak	card
Integer	Text	Text	Float	Integer	Integer

- Information used to keep track of accounts
- Stores a user's username and password
- Funds will be a user's amount of money they can spend on games
- Streak is used to keep track of how many consecutive days a user's logs in

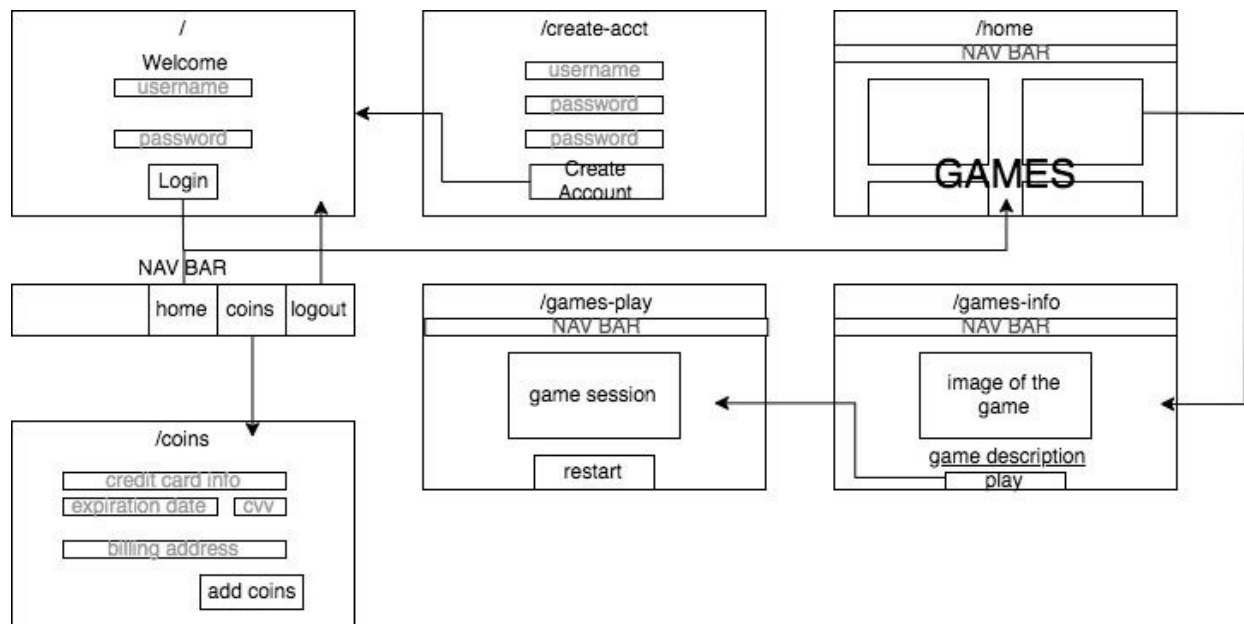
Front End

- **base.html**
 - Base template with the navigation bar for all pages
- **login.html**
 - Form for login
 - Redirects to “/home” when login is successful and “/login” when not
 - Redirects to “/create-acct” if user wants to create account
- **create-acct.html**
 - For for creating account
 - Redirects to “/login” when account is successfully created, else flashes error messages
- **home.html**
 - Home screen that users always return to when they want to view the list of games.
 - Redirects to “/games-info” when a game wants to be played
- **games-info.html**
 - Contains game description, which is unique for each game, as well as directions on how to play
- **games-play.html**
 - there should be a separate page for each individual game because the usages are different for each one.
 - allows user to replay game if necessary
- **coins.html**
 - allows users to add coins by getting their credit card information and verifying it using an API

Back End:

- **app.py**
 - **login():** authenticates users for login
 - **create-acct():** adds account to database if meets all the criteria, else flashes message
 - **home():** renders home page with a list of games
 - **info():** renders games-info using the descriptions and images taken from the database
 - **play-sudoku():** takes sudoku templates from an api and allows users to interact with the template
 - **play-craps():** uses the dice api and allows users to play craps
 - **play-blackjack():** uses the cards api and allows users to play blackjack

Site Map



Component Map

