Baguette Grabbers

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Framework:

Foundation

Roles

Tyler: Project Manager

William: Front end

Ethan: Back end

Jiong Hao: Back end

APIs Used

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

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

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

Core Functionality:

A site where a user can play many different games, such as blackjack, roulette, broccoli clicker, craps, dice roller, and sudoku. Roulette, blackjack, craps, and dice roller will cost coins to play. A user can gain coins by logging in everyday, playing broccoli 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	coins	streak	timeStmp	farmLvl
Integer	Text	Text	Integer	Integer	Text	Integer

- Information used to keep track of accounts
- Stores a user's username and password
- Coins 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
- timeStmp is the date of the last login, which is used to determine a streak
- farmLvl is the level of the farm to generate free coins
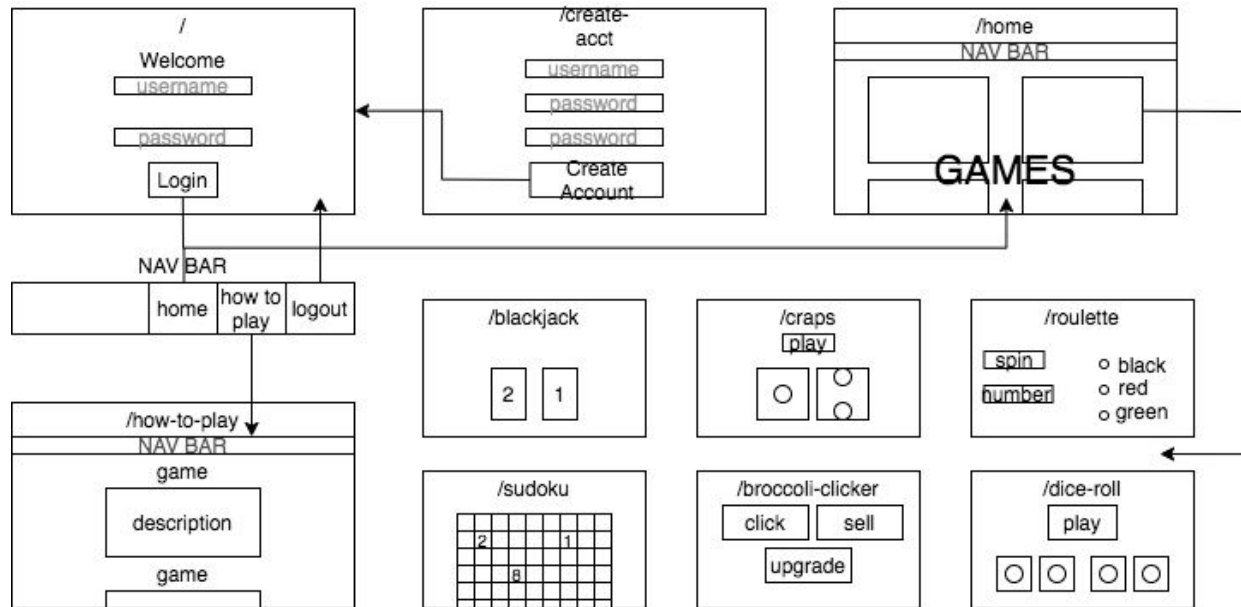
Front End
- **index.html**
  - Landing page
  - Buttons for register or login
- **login.html**
  - Form for login
  - Redirects to "/home" when login is successful and "/login" when not
  - Redirects to "/register" if user wants to create account
- **register.html**
  - For for creating account
  - Redirects to "/" when account is successfully created, else flashes error messages
- **homepage.html**
  - Home screen that users always return to when they want to view the list of games.
- **bjStart.html**
  - Start page for blackjack to place a wager
  - Redirects to "/blackjack"
- **blackjack.html**
  - Page to play blackjack
  - Can hit, stand, play again, or change wager
- **craps.html**
  - Page to play craps
  - Rolling dice game
- **dice.html**
  - Page to a simple dice game
  - Button to place wager, change wager, and roll
- **makeItRain.html**
  - Page to play a simple clicker game
  - Buttons to grow broccoli, sell broccoli, and upgrade farm to produce
- **sudoku.html**
  - Page to play sudoku
  - Button to check the board
- **wheel.html**
  - Page for a simple roulette game
  - Buttons to bet on a color and get a random number and color combo

Back End:
- app.py
  - **"/"**: renders landing page
  - **"/login":** renders login page

- **"/register":** renders register page
- **"/auth":** handles register, login, updating info, and redirects to the correct pages
- **"/logout":** logout and redirects to "/"
- **"/home":** renders homepage
- **"/howToPlay":** renders how to play page
- **"/blackjack":** renders blackjack page
- **"/loadDeck":** starts the blackjack game and redirects to "/blackjack"
- **"/blackjack/hit":** handles when a user hits in blackjack and redirects to "/blackjack"
- **"/blackjack/stand":** handles when a user stands in blackjack and redirects to "/blackjack"
- **"/blackjack/reset":** resets the game and redirects to "/blackjack"
- **"/blackjack/bjstart":** renders bjstart page
- **"/wheel":** renders wheel page
- **"/roulette/change":** handles when a user wins the roulette
- **"/craps":** renders craps page
- **"/blackjack/changeWager":** handles when a user changes wager for blackjack and redirects to "/blackjack"
- **"/makeItRain":** renders makeItRain page
- **"/sell":** handles when user sells broccoli
- **"/upgrade":** handles when user upgrades broccoli farm
- **"/dice":** renders dice page
- **"/dice/roll":** handles when user rolls the dice and renders dice page
- **"/dice/setWager":** sets the wager for dice game and renders dice page
- **"/sudoku":** renders sudoku page
- **"/sudoku/completed":** adds coins to database and redirects to "/sudoku"

Site Map

Component Map

LANDING

REGISTER

LOGIN

USERS DB

LOGOUT

HOME

CRAPS

DICEFUL API

ROULETTE

DECK OF CARDS API

BROCCOLI

SUDOKU API