

Sunny Side Up: Diana Akhmedova, Samantha Hua, Nicholas Tarsis,
Faiza Huda
SoftDev Pd 7
P05 -- War/Memory Card Games
2023-06-02

Target Ship Date: 2023-06-13

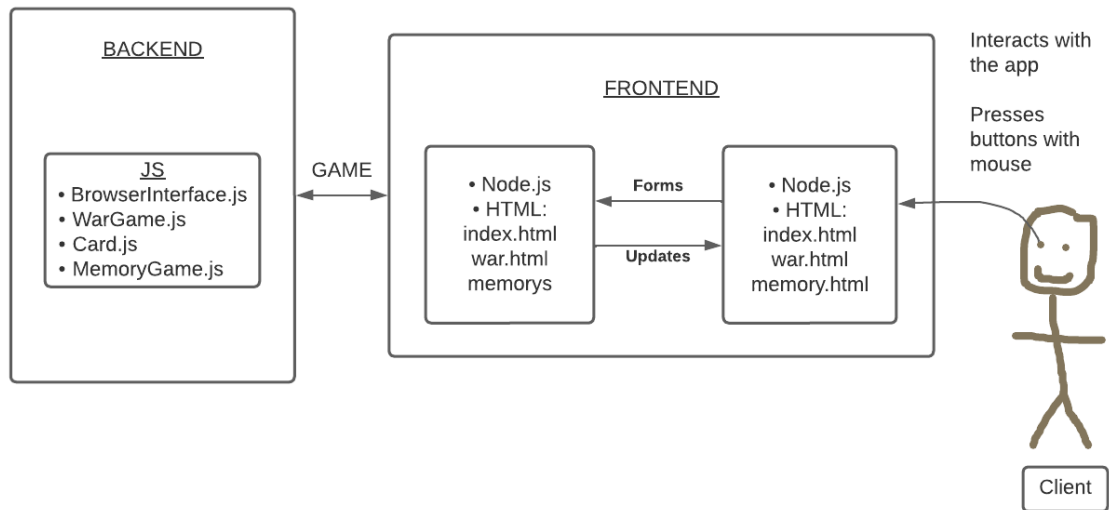
Abstract:

Sunny Side Up will recreate the thrilling turn-based card game I
Declare War and the fantastically mesmerizing memory games
featuring iconic video games.

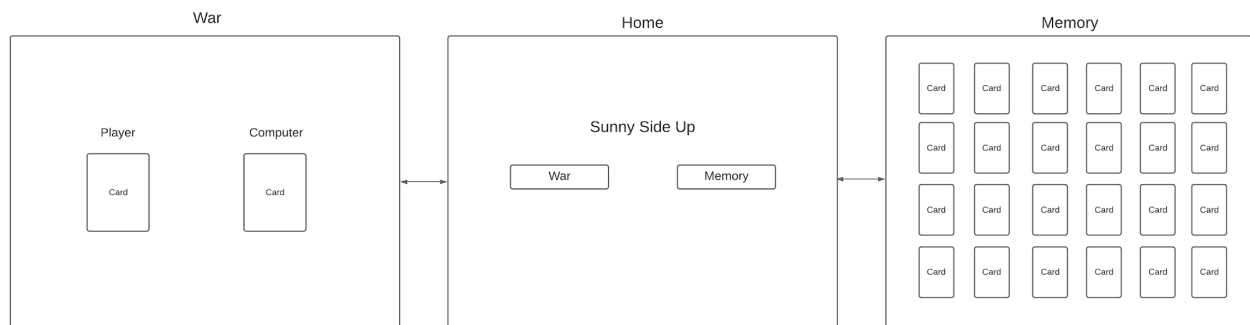
Program Components:

- HTML Files:
 - index.html
 - war.html
 - memory.html
- CSS Files:
 - Animate.css
 - MemoryGame.css
 - WarGame.css
- JS Files:
 - BrowserInterface.js
 - WarGame.js
 - Card.js
 - MemoryGame.js
- Image Files:
 - We will have .png files for every card in the games
- Node.js
 - Hosts the app

Component Map:



Site Map:



Front End Framework (FEF): Bootstrap

- Bootstrap because we are more familiar with it, it is easier to use, and it has a wide variety of tools

Job Assignments:

- Diana Akhmedova (PM) - Memory Game
- Samantha Hua - War Game
- Nicholas Tarsis - War Game
- Faiza Huda - Memory Game

Tasks:

- ☒ ~~Play Monopoly Deal to learn how to play the game we will make~~
- ☒ ~~Learn Node.js~~

- ☒ ~~Make a Droplet~~
 - ☒ ~~Get a domain~~
 - ☒ ~~Make app work on droplet~~
- ☐ Home Page (Monopoly Deal)
 - ☐ Logo
 - ☒ ~~Generate new room~~
 - ☒ ~~Join room~~
 - ☒ ~~Play button leads to Game Page~~
 - ☒ ~~Rules summary~~
 - ☐ Monopoly man image
- ☐ Game Page (Monopoly Deal)
 - ☐ Logo
 - ☐ Track user movements
 - ☐ Send other user movements in real time
 - ☐ Make users adhere to game rules
 - ☒ ~~Create different card types (Property, Action, Money)~~
 - ☒ ~~Create specific cards based on parent class~~
 - ☐ Implement the correct probability of drawing the cards as dictated by the game deck
 - ☐ Implement game rules with cards
 - ☐ Display cards correctly on board
- ☒ ~~Home Page (New)~~
 - ☒ ~~Button for I Declare War~~
 - ☒ ~~Button for Memory Game~~
- ☒ ~~War Page (New)~~
 - ☒ ~~Button to go back to the home page~~
 - ☒ ~~Player card deck~~
 - ☒ ~~Computer card deck~~
 - ☒ ~~Deal button~~
 - ☒ ~~New game button~~
 - ☒ ~~Implementation of war feature~~
 - ☒ ~~Fancy animations~~
 - ☐ Multiplayer feature
- ☒ ~~Memory Game (New)~~

- ☒ ~~Button to go back to the home page~~
- ☒ ~~Four difficulty levels~~
- ☒ ~~Start new game button~~
- ☒ ~~Matching card algorithm~~
- ☒ ~~Fancy animations~~
- ☒ ~~Snazzy CSS :D~~
- ☐ Online chatroom

Stretch Goals:

- Add a leaderboard
- Add profile pictures and the ability to change usernames
- Add game rooms people can create/join (multiplayer)
- Create a chatroom (w/emojis)

Popular Video Games:

1. Minecraft
2. Overwatch
3. Overcooked
4. Cyberpunk 2077
5. Stardew Valley
6. League of Legends
7. Grand Theft Auto V
8. Super Mario Odyssey
9. Red Dead Redemption 2
10. Resident Evil 4 Remake
11. Final Fantasy VII Remake
12. The Witcher 3: Wild Hunt
13. Assassin's Creed Valhalla
14. Animal Crossing: New Horizons
15. The Legend of Zelda: Tears of the Kingdom