

Memory Game App

A simple and fun game to sharpen your mind

Farzaneh Ahmadi

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Hello, I'm Farzaneh Ahmadi! ✨

Physics



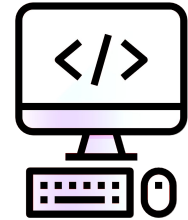
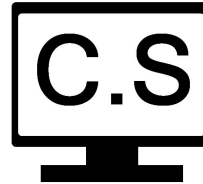
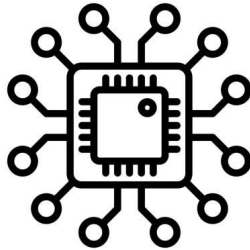
Quantum Computing



Computer Science



Web Developing



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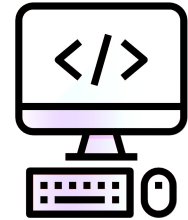


Quantum Computing



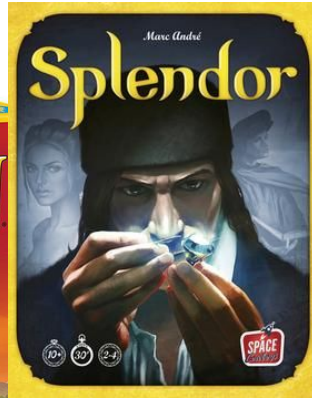
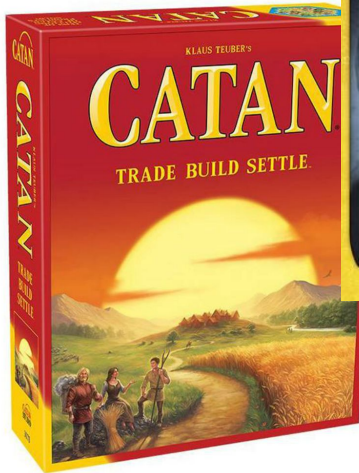
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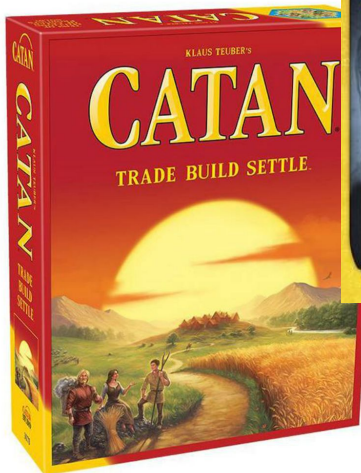
Why I Chose the Memory Game App?



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Why I Chose the Memory Game App?

First Step to Game Design
Fun for All Ages
Keeps Users Involved



PlayStation



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What Was Challenging?

- CSS Card Flip Challenge



```
.card-front {  
  transform: rotateY(180deg);  
}  
  
.card-back {  
  transform: rotateY(0deg);  
}
```

What Was Challenging?



It is also the coolest feature!

- Difficulty levels



What Was Challenging?



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1. Fetching Data for Different Levels
2. Checking Completion Across Levels

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1. Fetching Data for Different Levels
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```
async function getImagesForGame (level) {  
  resetGameState();  
  try {  
    const picturesResponse = await fetch (`https://raw.githubusercontent.com/  
    FarzanehAhmadi/FarzanehAhmadi.github.io/refs/heads/main/${level}.json`);
```

What Was Challenging?

It is also the coolest feature!

1. Fetching Data for Different Levels
2. Checking Completion Across Levels

Created a new global variable

```
let currentLevelCardCount = 0;
```

Assigned local variable to the global one

```
currentLevelCardCount = picList.length;
```

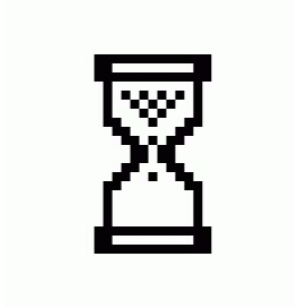
Local variable

```
const picList = [];  
//Duplicate  
pictures.forEach( (pic) => {  
  picList.push(pic);  
  picList.push(pic);  
})
```

What Was Challenging?



- Timer Not Resetting After Restart



```
let gameStarted = false;
```

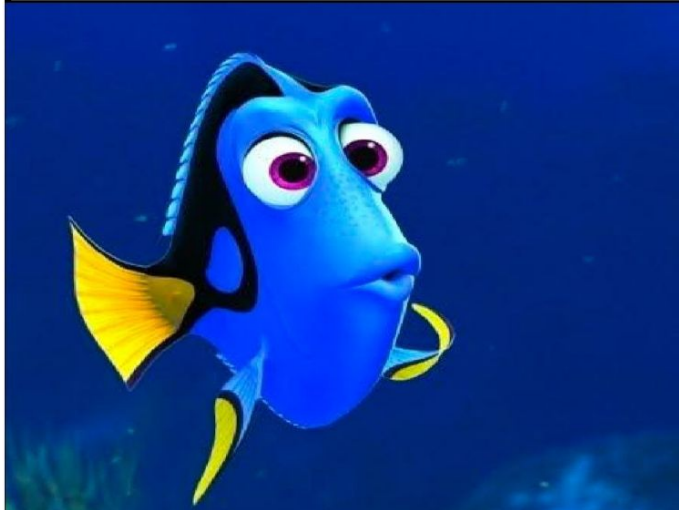
```
function flipCard() {  
  if (!gameStarted) {  
    startTimer();  
    gameStarted = true;  
  }  
}
```

```
function resetGame () {  
  gameStarted = false;  
}
```

Coollest Features: Let's See Them in Action!

Let's try the game and see if you can beat Dory's memory! 🤔💡

I flip 2 cards in the memory game...
My brain 2 seconds later: 'What
cards?'



[Live Demo Link](#)

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