





# 8 Ball Exploratory Project Team 4 - The Powell Rangers

CSE 110 - Spring 2023





# Text to Speech and 8-Ball Design

#### Feature:

- Visual image of the 8-Ball on the screen itself was designed using CSS, multiple box shadows were used to create concentric rings and glows/shadows
- Used SpeechSynthesis API to speak the answer as a voice message to the user

#### **Pros of Al**

- Was very useful in gathering information about code documentation and creating framework of algorithms used to implement feature (ChatGPT)
- Does heavy lifting or most backend software work

- Horrible at design, no matter how specific you are
- Both ChatGPT and Image Gen Al struggled to reproduce what I asked it to when designing 8-Ball image visuals



### Output Answer Box

#### **Feature:**

- CSS code to style the output text within the 8-ball to match the mystical orange theme of the ball and the background.
- Used ChatGPT to figure out how to position the text, create a circular box and make a general color scheme.

#### **Pros of Al**

- Dramatically sped up the process of writing the code.
- Able to focus on the design rather than being forced to go on a Googling spree to figure out how to do something with CSS syntax.

- Strips away the need to really understand the code (at least for basic functionality). For example, I still don't know what a flex display does exactly.
- In a way, removes some of the initial creativity because ChatGPT can come up with a fairly good design immediately.



```
color: ■#FFA500; /* sets text color to orange */
font-family: 'mysticalFont', cursive;
font-weight: bold:
font-size: 12px;
line-height: 1.5;
text-align: center;
background-color: \( \square\)#1C1C1E;
padding: 20px;
border-radius: 50%; /* makes the border circular */
width: 25%;
height: 25%:
display: flex;
justify-content: center:
align-items: center;
text-shadow: 0px 0px 10px 0px ■#FFA500;
box-shadow: 0px 0px 10px 0px ■#FFA500;
margin: 0;
position: relative;
z-index: 2;
top: 30%;
left: 30%
```

### Animated Clouds

#### Feature:

- CSS code to animate clouds moving across the screen. I asked ChatGPT to write this code and to write comments in the code to explain each line.
- I edited ChatGPT's code so it worked the way I wanted.
- I also asked why clouds moving to left offscreen made the webpage longer to the left and how to stop it. It told me to use 'overflow-x: hidden,' which worked.

#### **Pros of Al**

- While ChatGPT's code didn't work exactly, it gave me an idea
  of how to structure the code and what features to use.
- The comments ChatGPT helped me understand what the lines that did work actually did.

- The code it generated didn't really work, and fixing it took time.
- ChatGPT wrote the original code I modified, so I didn't know exactly how the code actually worked.



### Shakable 8-Ball

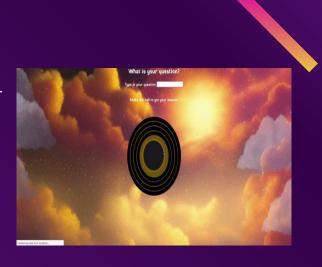
#### Feature:

- Used JavaScript to make the 8-ball shakable to show output
- User can click and drag around ball
- Used ChatGPT to get some ideas on implementation and starter code

#### **Pros of Al**

- Using ChatGPT helped to get a good direction and basic code started for what to do
- Reduced some time used in researching and figuring out how to solve problem

- Code was not directly adaptable to project
- Had to ask in a specific way to get good output
- Sometimes uses uncommon/outdated coding practice



# Typing Out The Response

#### Feature:

- Uses JavaScript to animate the response of the 8ball so that it looks as if the response is typed out.
- Used ChatGPT to get the structure and general code for the algorithm then adjusted to meet the needs.

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#### **Pros of Al**

- Provided a way to implement the feature when CSS did not work.
- Gives you a solution that you may not have thought of.

- Had to know what to ask and be specific when asking
- Need to understand the generated code to see if it works and what are the needed parts.

