

# Magic 8-ball

Team 15 Exploratory Project

# Using ChatGPT

ChatGPT, when given a simple prompt, was able to provide us with a very simple application that contained vanilla HTML, CSS, and JavaScript

create me a magic 8 ball website using only vanilla html, javascript, and css

Sure, I can give you a basic example of a magic 8 ball website using only HTML, CSS, and JavaScript. Here are the steps you can follow:

1. Create an HTML file with the basic structure of a web page, including a title, a header, and a container for the magic 8 ball.

```
html
<!DOCTYPE html>
<html>
<head>
<title>Magic 8 Ball</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
</head>
<body>
<header>
<h1>Magic 8 Ball</h1>
</header>
<div class="container">
<div class="magic-8-ball"></div>
<button class="shake-button">Shake</button>
</div>
<script src="script.js"></script>
</body>
</html>
```

2. Create a CSS file to style the magic 8 ball and the shake button.

```
css
.container {
display: flex;
flex-direction: column;
align-items: center;
justify-content: center;
height: 100vh;
}

.magic-8-ball {
background-color: black;
border-radius: 50%;
width: 200px;
height: 200px;
display: flex;
align-items: center;
justify-content: center;
font-size: 24px;
color: white;
}

.shake-button {
margin-top: 20px;
padding: 10px 20px;
font-size: 16px;
background-color: blue;
color: white;
border: none;
border-radius: 4px;
cursor: pointer;
}

.shake-button:hover {
background-color: darkblue;
}
```

3. Create a JavaScript file to handle the random responses of the magic 8 ball and the button click event.

```
js
const responses = [
'It is certain.',
'It is decidedly so.',
'Without a doubt.',
'Yes - definitely.',
'You may rely on it.',
'As I see it, yes.',
'Most likely.',
'Outlook good.',
'Yes.',
'Signs point to yes.',
'Reply hazy, try again.',
'Ask again later.',
'Better not tell you now.',
'Cannot predict now.',
'Concentrate and ask again.',
'Don't count on it.',
'Outlook not so good.',
'My sources say no.',
'Very doubtful.'
];

const magic8Ball = document.querySelector('.magic-8-ball');
const shakeButton = document.querySelector('.shake-button');

function getRandomResponse() {
const index = Math.floor(Math.random() * responses.length);
return responses[index];
}

function shakeMagic8Ball() {
const response = getRandomResponse();
magic8Ball.textContent = response;
}

shakeButton.addEventListener('click', shakeMagic8Ball);
```

This is a very basic example, and you can customize it further with your own CSS and JavaScript code to make it more visually appealing or to add more features.

# Behold, The unlimited potential of LLMs

Magic 8 Ball

As you can see, the website is very bland. However, the Shake button works as intended and we are getting randomly generated responses from the 8-ball. ChatGPT was able to give us an idea of how our site may be formatted, and gave us a useful skeleton for our backend functions.



# What had to be changed

- Scrapped the HTML to add our own format and branding to the website
- Kept most of the JavaScript so that we could use the response generation function
- Added a text entry box so that the user can input their own questions

**The Mystical Noodle**



**Ask the Mystical Noodle a question**

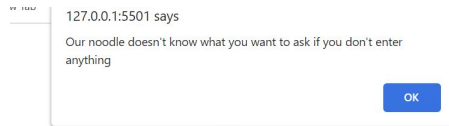
 

**Answer**

# Mystical Noodle in Action

As you can see, our application is able to take in a text input and output a response. If no input is detected, the user will be prompted to type something.

## The Mystical Noodle



## Ask the Mystical Noodle a question

### Ask the Mystical Noodle a question

Will I pass this class? Ask

### Answer

Cannot predict now.

Ask a question Ask

# The Good and the Bad of ChatGPT

## **Good:**

- Provides good starter code and understands how to develop basic functions

## **Bad:**

- No comments in the code and sometimes uses poor coding practices
- Cannot create exactly what the developer envisions
- May make small mistakes in the code during generation

# Moving Forward

After playing around with ChatGPT we have concluded that we will use this tool minimally in the development process. We may use it for boiler plate code or generating very simple backend functions but we will not rely on it for code generation. A tool we may utilize more going forward would be GitHub Co-Pilot.