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BATCH – AIML-B1 (FS3)

HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Card Flip Effect</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container mt-5">
        <h1 class="text-center mb-4">Card Flipper Effect</h1>
        <div class="row justify-content-center">
            <div class="col-md-4">
                <div class="card-container">
                    <div class="card-inner">
                        <div class="card-front">
                            <img src="images/img.jpg" class="img-fluid" alt="Front Image
1">
                            <h5 class="text-center mt-2">Skirk</h5>
                        </div>
                        <div class="card-back">
                            <img src="images/imgb.jpg" class="img-fluid" alt="Back Image
1">
                            <p class="text-center">Master of 11th fatui harbinger</p>
                        </div>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card-container">
                    <div class="card-inner">
                        <div class="card-front">
                            <img src="images/img2.jpg" class="img-fluid" alt="Front Image
2">
                            <h5 class="text-center mt-2">Raiden</h5>
                        </div>
                        <div class="card-back">
                            <img src="images/img2b.jpg" class="img-fluid" alt="Back Image
2">
                            <p class="text-center">God of Eternity</p>
                        </div>
                    </div>
                </div>
            </div>
```

```
        </div>
    </div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></scrip
t>
</body>
</html>
```

CSS

```css
/* styles.css */

.card-container {
    perspective: 1000px;
    width: 100%;
    height: 250px;
    margin-bottom: 20px;
}
.card-inner {
    width: 100%;
    height: 100%;
    position: relative;
    transform-style: preserve-3d;
    transition: transform 0.6s;
}
.card-container:hover .card-inner {
    transform: rotateY(180deg);
}
.card-front, .card-back {
    width: 100%;
    height: 100%;
    position: absolute;
    backface-visibility: hidden;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    text-align: center;
    border: 1px solid #ddd;
    border-radius: 10px;
    background: #fff;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
}
.card-back {
    transform: rotateY(180deg);
    background: #f8f9fa;
}
.card-front img {
    width: 150px;
    height: 150px;
    border-radius: 10px;
}
```

OUTPUT

Card Flipper Effect

Design Choices

This card flipper effect was designed with a visually appealing and interactive layout to enhance user experience. The design choices include:

- **Centered card layout: Ensures a clean and focused design.**
- **Bootstrap grid system: Provides a responsive structure for different screen sizes.**
- **3D flip animation: Adds an interactive and engaging element.**
- **Minimalistic UI: Ensures clarity and ease of use.**

Challenges Faced

- **Ensuring smooth flip animations across different browsers.**
- **Maintaining responsiveness while keeping the layout visually appealing.**
- **Managing image positioning and text alignment within the cards.**

Additional Features Implemented

- **Hover-based flip animation: Enhances interactivity.**
- **Shadow and border effects: Improves aesthetics.**
- **Responsive design: Works across mobile, tablet, and desktop screens.**

List of Tags Used

- **<div>: Used to structure the card layout.**
- **<img>: Displays the front and back images of each card.**
- **<h1>, <h5>: Used for headings and titles.**
- **<script>: Includes Bootstrap JavaScript for responsive behavior.**
- **<link>: Imports Bootstrap styles.**

This project ensures an engaging and seamless user experience with its interactive flip animations and responsive design.