

Web Tech Lab

React App

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Source code :

Index.js

```
import React from "react";
import ReactDOM from "react-dom";
import "./styles.css";
import Jokes from "./jokes";

function App() {
  return (
    <div className="App">
      <Jokes />
    </div>
  );
}

const rootElement = document.getElementById("root");
ReactDOM.render(<App />, rootElement);
```

Jokes.js

```
import React, { useState, useEffect } from "react";
import Joke from "./joke";
import "./Jokes.css";

Jokes.defaultProps = {
  numberOfJokes: 1
};

function Jokes({ numberOfJokes }) {
  const [jokes, setJokes] = useState([]);
  const [isLoading, setIsLoading] = useState(false);

  useEffect(() => {
```

```

    let currentJokes =
JSON.parse(window.localStorage.getItem("jokes")) || [];
    if (currentJokes.length === 0) addMoreJokes();
    else setJokes(currentJokes);
}, []);

useEffect(() => {
    window.localStorage.setItem("jokes", JSON.stringify(jokes));
    setIsLoading(false);
}, [jokes]);

const addMoreJokes = async () => {
    try {
        setIsLoading(true);
        let newJokes = [];
        while (newJokes.length < numberOfJokes) {
            const response = await
fetch("https://icanhazdadjoke.com/", {
                method: "GET",
                headers: {
                    Accept: "application/json"
                }
            });
            let data = await response.json();
            const newJoke = {
                votes: 0,
                text: data.joke,
                id: data.id
            };
            if (
                [...jokes, ...newJokes].filter((joke) => joke.id ===
newJoke.id)
                    .length === 0
            )
                newJokes.push(newJoke);
        }
        setJokes([...jokes, ...newJokes]);

        window.localStorage.setItem(
            "jokes",
            JSON.stringify([...jokes, ...newJokes])
        );
    } catch (e) {
        alert(e);
        setIsLoading(false);
    }
}

```

```

};

const changeVote = (id, newVote) => {
  setJokes(
    jokes.map((joke) => {
      if (joke.id === id) joke.votes = newVote;
      return joke;
    })
  );
};

const sortedJokes = jokes.sort((a, b) => b.votes - a.votes);

if (isLoading) {
  return (
    <div className="JokeListSpinner">
      {/* <i className="far fa-8x fa-laugh fa-spin" /> */}
      <div className="far fa-8x fa-laugh fa-spin">😂</div>
      <h1 className="JokeListTitle">Loading...</h1>
    </div>
  );
}

return (
  <div className="Jokes">
    <div className="JokesSidebar">
      <h1 className="JokeListTitle">
        <span>Dad</span> Jokes
      </h1>
      <button className="GetMoreButton" onClick={addMoreJokes}>
        Fetch Jokes
      </button>
    </div>
    <div className="JokeList">
      {sortedJokes.map((joke) => (
        <Joke key={joke.id} joke={joke}
changeVote={changeVote} />
      ))}
    </div>
  </div>
);
}

export default Jokes;

```

joke.js

```

import React from "react";
import "./joke.css";

function Joke({ joke, changeVote }) {

  const getEmoji = () => {
    if (joke.votes >= 5) {
      return "👍";
    } else if (joke.votes >= 4) {
      return "😊";
    } else if (joke.votes >= 3) {
      return "😬";
    } else if (joke.votes >= 2) {
      return "😏";
    } else if (joke.votes >= 1) {
      return "😬";
    } else if (joke.votes >= 0) {
      return "😏";
    } else {
      return "😏";
    }
  };

  return (
    <div className="Joke">
      <div className="JokeButtons">
        <button
          className="fas fa-arrow-down"
          onClick={() => changeVote(joke.id, joke.votes + 1)}
        >
          👍
        </button>
        <span className="JokeVotes" >
          {joke.votes}
        </span>
        <button
          className="fas fa-arrow-down"
          onClick={() => changeVote(joke.id, joke.votes - 1)}
        >
          👎
        </button>
      </div>
      <div className="JokeText">{joke.text}</div>
      <div className="JokeSmiley">
        { /* <i className={getEmoji()} /> */ }
        <div> {getEmoji()}</div>
      </div>
    </div>
  );
}

```

```

        </div>
    </div>
    );
}

export default Joke;

```

jokes.css

```

.Jokes {
    display: flex;
    width: 80%;
    height: 80%;
}

.JokesSidebar {
    background: #9575cd;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    width: 30%;
    box-shadow: 0 19px 38px rgba(0, 0, 0, 0.3), 0 15px 12px rgba(0, 0, 0, 0.1),
        inset 0 0 25px #7e57c2;
    z-index: 2;
}

.JokeListTitle {
    font-size: 4rem;
    margin: 2rem;
    color: white;
    font-weight: 300;
    letter-spacing: 0.6rem;
}

.JokeListTitle span {
    font-weight: 700;
    letter-spacing: 0;
}

.SmileImage {
    width: 50%;
    border-radius: 50%;
    box-shadow: 0 19px 38px rgba(0, 0, 0, 0.3), 0 15px 12px rgba(0, 0, 0, 0.1);
}

```

```
.SmileImage:hover {
  animation-name: shake-slow;
  animation-duration: 5s;
  animation-timing-function: ease-in-out;
  animation-delay: 0s;
}

.JokeList {
  height: 90%;
  background: white;
  align-self: center;
  width: 70%;
  overflow: scroll;
  box-shadow: 0 19px 38px rgba(0, 0, 0, 0.3), 0 15px 12px rgba(0, 0, 0,
0.1);
}

.JokeListSpinner {
  color: white;
  text-align: center;
}

.GetMoreButton {
  font-size: 1.5rem;
  width: 50%;
  border-radius: 2rem;
  padding: 1rem 2rem;
  color: white;
  font-weight: 700;
  margin: 2rem;
  border: none;
  word-spacing: 0.2rem;
  cursor: pointer;
  transition: 0.8s cubic-bezier(0.2, 1, 0.2, 1);
  outline: none;
  background: rgba(240, 98, 146, 1);
  box-shadow: 0 19px 38px rgba(0, 0, 0, 0.3), 0 15px 12px rgba(0, 0, 0,
0.1);
}

.GetMoreButton:hover {
  transform: translateY(-2px);
  box-shadow: 0 15px 30px rgba(0, 0, 0, 0.25);
}
```

```
@keyframes shake-slow {
  0% {
    transform: translate(0px, 0px) rotate(0deg);
  }

  2% {
    transform: translate(5px, -6px) rotate(3.5deg);
  }

  4% {
    transform: translate(1px, -4px) rotate(2.5deg);
  }

  6% {
    transform: translate(-4px, -6px) rotate(0.5deg);
  }

  8% {
    transform: translate(2px, -9px) rotate(-0.5deg);
  }

  10% {
    transform: translate(5px, -5px) rotate(0.5deg);
  }

  12% {
    transform: translate(6px, 1px) rotate(0.5deg);
  }

  14% {
    transform: translate(5px, 2px) rotate(-1.5deg);
  }

  16% {
    transform: translate(8px, -6px) rotate(-0.5deg);
  }

  18% {
    transform: translate(-6px, -6px) rotate(3.5deg);
  }

  20% {
    transform: translate(-8px, 7px) rotate(-1.5deg);
  }

  22% {
```

```
    transform: translate(3px, 9px) rotate(1.5deg);
}

24% {
    transform: translate(-7px, 6px) rotate(3.5deg);
}

26% {
    transform: translate(9px, -5px) rotate(1.5deg);
}

28% {
    transform: translate(10px, 1px) rotate(-1.5deg);
}

30% {
    transform: translate(-8px, 5px) rotate(3.5deg);
}

32% {
    transform: translate(-9px, 5px) rotate(-1.5deg);
}

34% {
    transform: translate(-6px, 8px) rotate(0.5deg);
}

36% {
    transform: translate(6px, -2px) rotate(0.5deg);
}

38% {
    transform: translate(3px, 3px) rotate(3.5deg);
}

40% {
    transform: translate(6px, 10px) rotate(-1.5deg);
}

42% {
    transform: translate(2px, -2px) rotate(1.5deg);
}

44% {
    transform: translate(-6px, 8px) rotate(-0.5deg);
}
```



```
46% {
  transform: translate(-5px, 9px) rotate(-2.5deg);
}

48% {
  transform: translate(-4px, 2px) rotate(3.5deg);
}

50% {
  transform: translate(-9px, -3px) rotate(-1.5deg);
}

52% {
  transform: translate(3px, -2px) rotate(1.5deg);
}

54% {
  transform: translate(10px, 8px) rotate(3.5deg);
}

56% {
  transform: translate(7px, 8px) rotate(0.5deg);
}

58% {
  transform: translate(-4px, -3px) rotate(-0.5deg);
}

60% {
  transform: translate(9px, -4px) rotate(-1.5deg);
}

62% {
  transform: translate(-8px, -6px) rotate(1.5deg);
}

64% {
  transform: translate(-1px, -2px) rotate(3.5deg);
}

66% {
  transform: translate(0px, -8px) rotate(0.5deg);
}

68% {
```

```
    transform: translate(8px, -7px) rotate(0.5deg);
}

70% {
    transform: translate(3px, 4px) rotate(1.5deg);
}

72% {
    transform: translate(3px, 2px) rotate(1.5deg);
}

74% {
    transform: translate(-5px, -9px) rotate(0.5deg);
}

76% {
    transform: translate(1px, -8px) rotate(2.5deg);
}

78% {
    transform: translate(3px, 7px) rotate(-1.5deg);
}

80% {
    transform: translate(-9px, -4px) rotate(0.5deg);
}

82% {
    transform: translate(0px, -4px) rotate(-2.5deg);
}

84% {
    transform: translate(-7px, -3px) rotate(0.5deg);
}

86% {
    transform: translate(-8px, 6px) rotate(-1.5deg);
}

88% {
    transform: translate(3px, 4px) rotate(2.5deg);
}

90% {
    transform: translate(5px, 7px) rotate(2.5deg);
}
```

```
92% {  
  transform: translate(2px, -8px) rotate(-2.5deg);  
}  
  
94% {  
  transform: translate(-1px, -2px) rotate(-1.5deg);  
}  
  
96% {  
  transform: translate(-4px, 10px) rotate(-1.5deg);  
}  
  
98% {  
  transform: translate(10px, -9px) rotate(2.5deg);  
}  
}
```

Joke.css

```
.Joke {  
  display: flex;  
  border-bottom: 2px solid #eeeeee;  
  align-items: center;  
  justify-content: center;  
  font-weight: 400;  
  padding: 1rem;  
}  
  
.JokeButtons {  
  display: flex;  
  margin-right: 1rem;  
  align-items: center;  
  justify-content: center;  
  width: 15%;  
}  
  
.JokeText {  
  width: 75%;  
  font-size: 1.2rem;  
}  
  
.JokeVotes {  
  width: 50px;  
  height: 50px;  
  line-height: 50px;  
  border-radius: 100%;  
  text-align: center;
```

```
font-size: 20px;
font-weight: 300;
/* border: 3px solid red; */
/* box-shadow: 0 10px 38px rgba(0, 0, 0, 0.2), 0 10px 12px rgba(0, 0, 0, 0.1); */
}

.fa-arrow-up,
.fa-arrow-down {
  font-size: 1.5em;
  margin: 10px;
  cursor: pointer;
  transition: all 0.3s;
}

.fa-arrow-up:hover {
  animation-name: move-up;
  animation-duration: 0.7s;
  animation-timing-function: ease-out;
  color: #8bc34a;
}

@keyframes move-up {
  0%,
  50%,
  100% {
    transform: translateY(0);
  }
  25%,
  75% {
    transform: translateY(-3px);
  }
}

.fa-arrow-down:hover {
  animation-name: move-down;
  animation-duration: 0.7s;
  animation-timing-function: ease-out;
  color: #f44336;
}

@keyframes move-down {
  0%,
  50%,
  100% {
    transform: translateY(0);
  }
  25%,
```

```
75% {
  transform: translateY(3px);
}

.JokeSmiley {
  font-size: 3rem;
  /* margin-left: auto; */
  border-radius: 50%;
  /* box-shadow: 0 10px 38px rgba(0, 0, 0, 0.2), 0 10px 12px rgba(0, 0, 0, 0.1); */
}

.JokeSmiley:hover {
  animation-name: spin;
  animation-duration: 0.7s;
  animation-timing-function: ease-in-out;
  animation-delay: 0s;
}

@keyframes spin {
  0% {
    transform: rotate(0deg);
  }
  30% {
    transform: rotate(20deg);
  }
  60% {
    transform: rotate(0deg);
  }
  80% {
    transform: rotate(10deg);
  }
  100% {
    transform: rotate(0deg);
  }
}
```

Output screenshot :

