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>

);

}

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 :**

