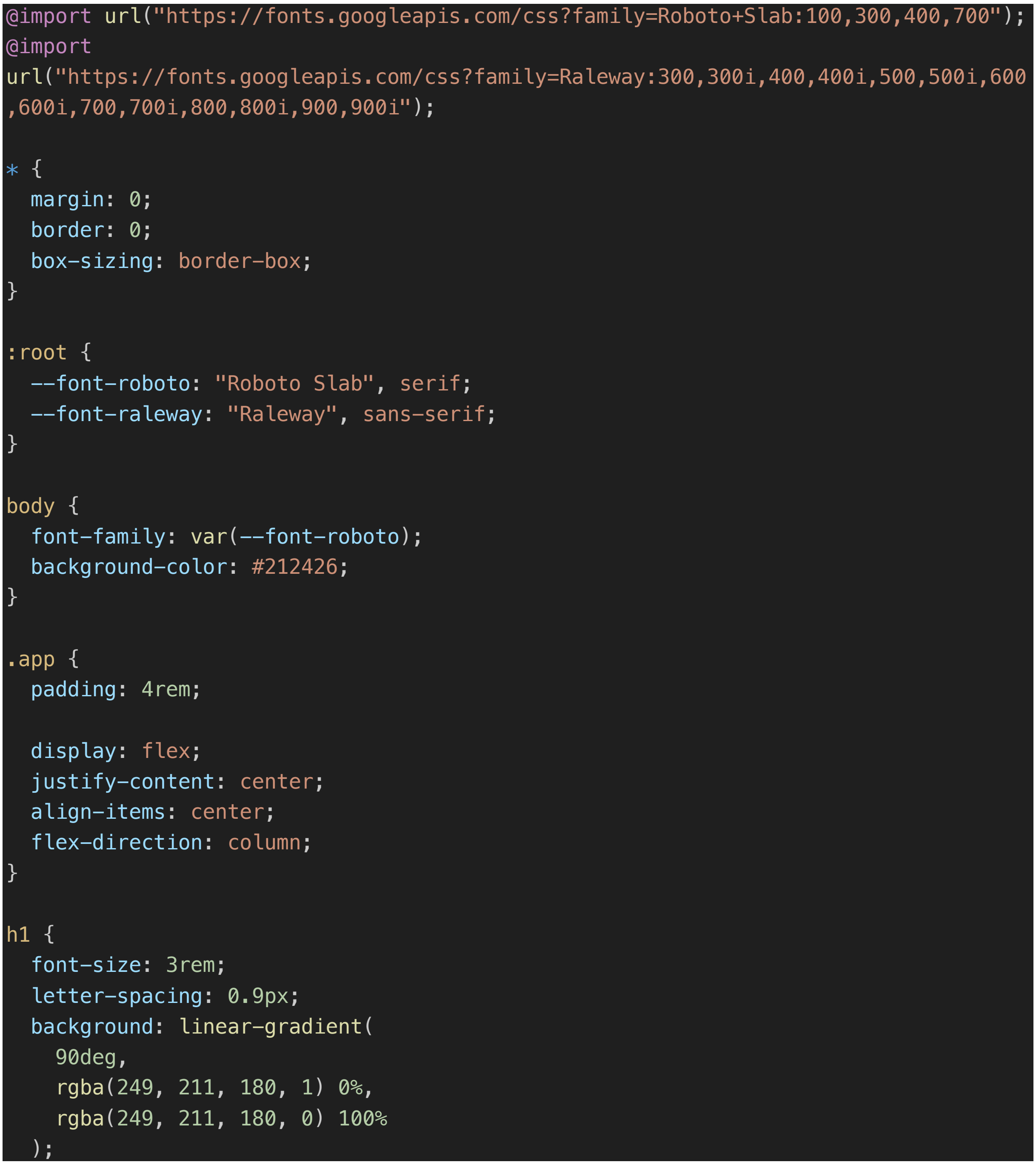
Ex. No: 5	React App Development
22.08.2023	

Aim:

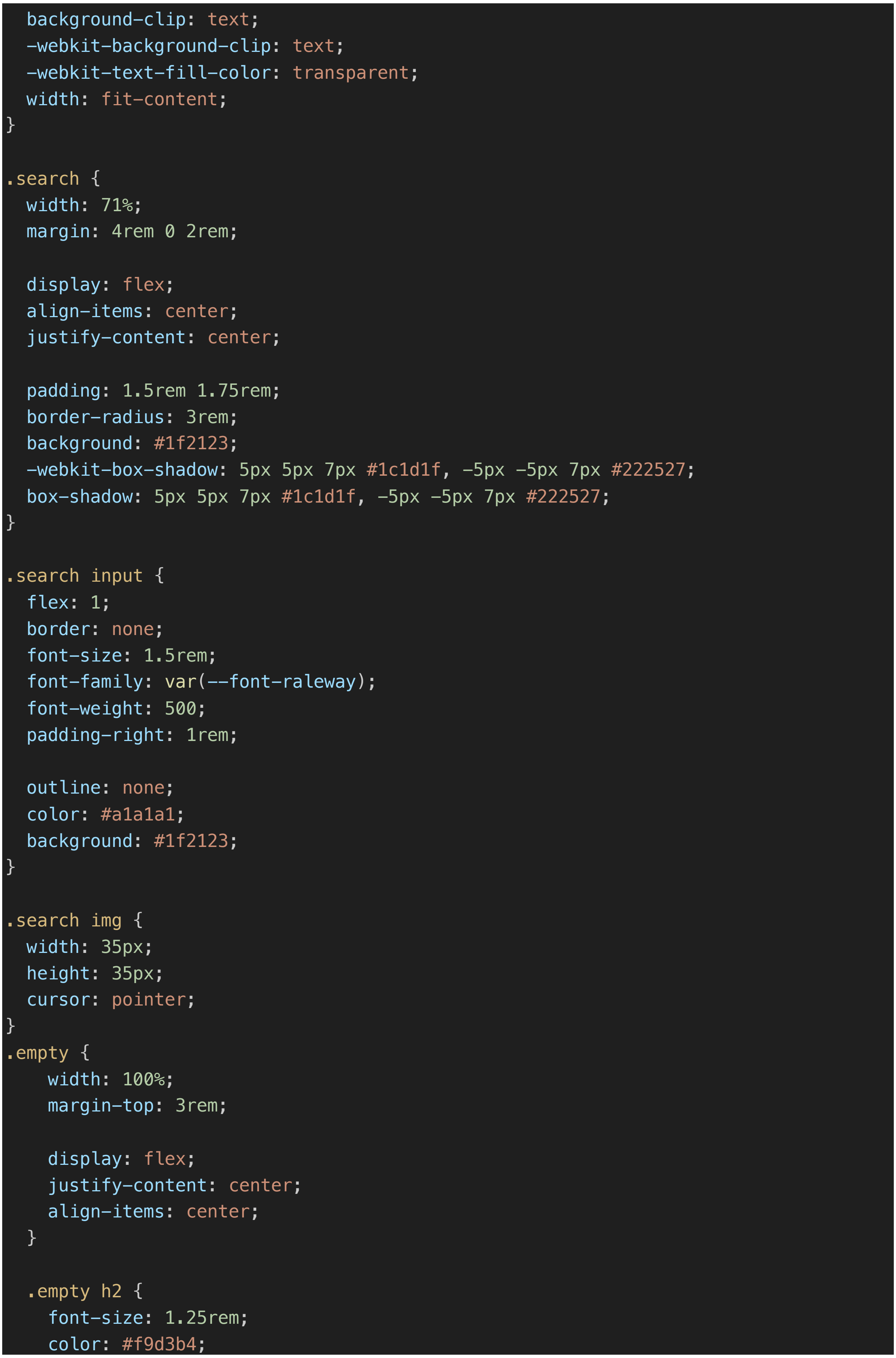
To create an app using React with Components, Rendering, and Data Sharing.

Program:

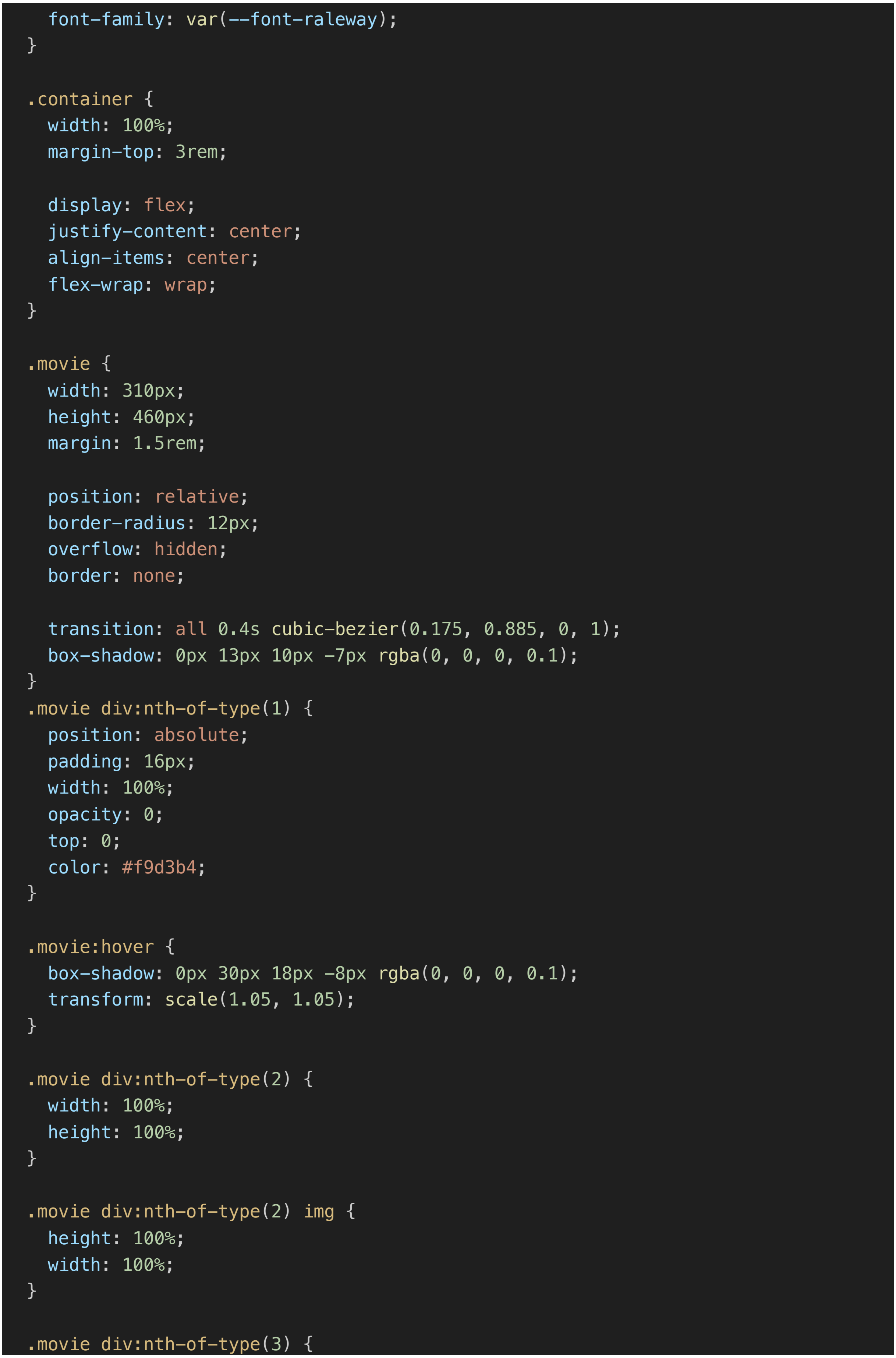
App.css:



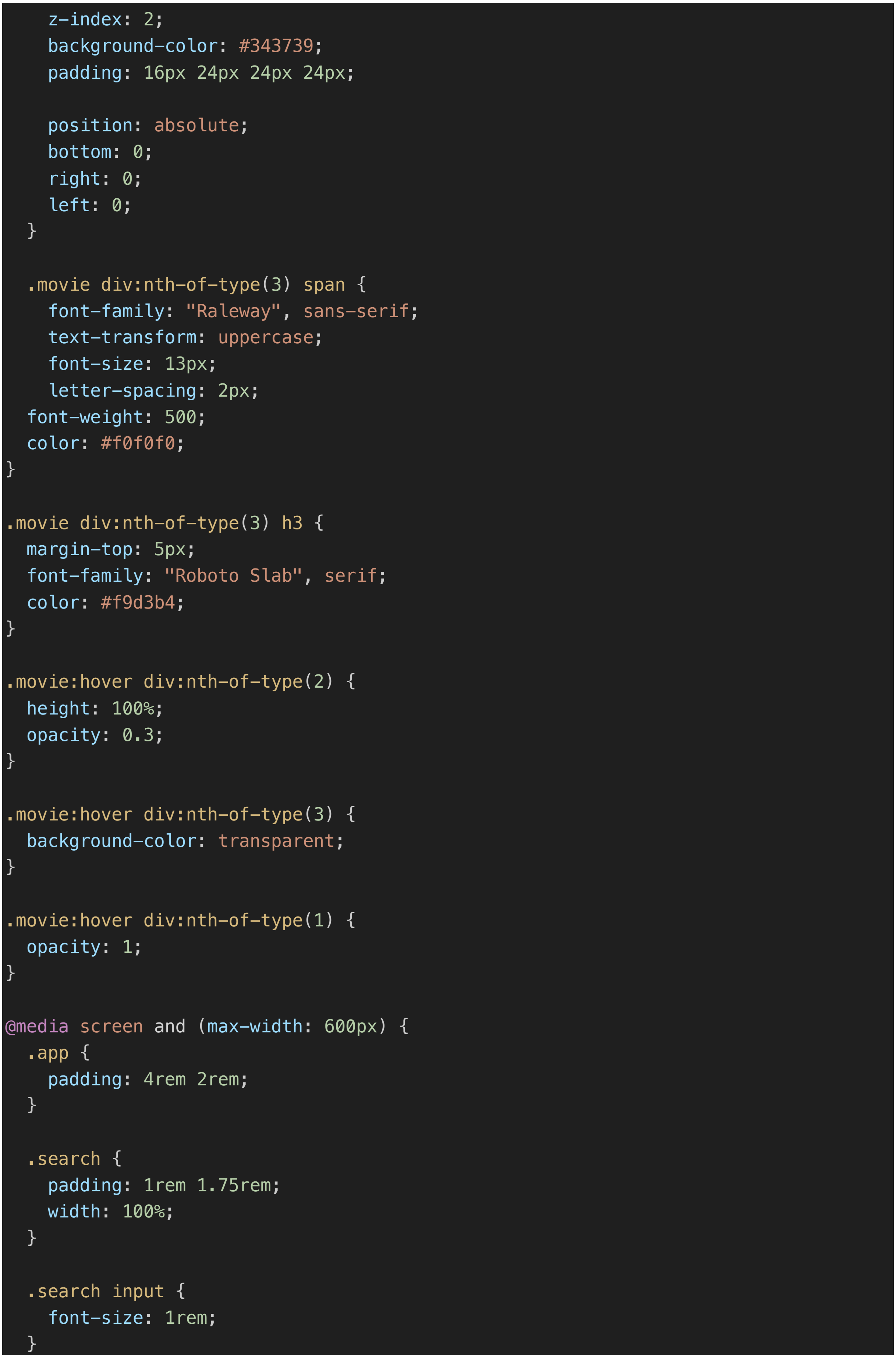
```css
@import url("https://fonts.googleapis.com/css?family=Roboto+Slab:100,300,400,700");
@import
url("https://fonts.googleapis.com/css?family=Raleway:300,300i,400,400i,500,500i,600
,600i,700,700i,800,800i,900,900i");

* {
  margin: 0;
  border: 0;
  box-sizing: border-box;
}

:root {
  --font-roboto: "Roboto Slab", serif;
  --font-raleway: "Raleway", sans-serif;
}

body {
  font-family: var(--font-roboto);
  background-color: #212426;
}

.app {
  padding: 4rem;

  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;
}

h1 {
  font-size: 3rem;
  letter-spacing: 0.9px;
  background: linear-gradient(
    90deg,
    rgba(249, 211, 180, 1) 0%,
    rgba(249, 211, 180, 0) 100%
  );
```



```css
  background-clip: text;
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  width: fit-content;
}

.search {
  width: 71%;
  margin: 4rem 0 2rem;

  display: flex;
  align-items: center;
  justify-content: center;

  padding: 1.5rem 1.75rem;
  border-radius: 3rem;
  background: #1f2123;
  -webkit-box-shadow: 5px 5px 7px #1c1d1f, -5px -5px 7px #222527;
  box-shadow: 5px 5px 7px #1c1d1f, -5px -5px 7px #222527;
}

.search input {
  flex: 1;
  border: none;
  font-size: 1.5rem;
  font-family: var(--font-raleway);
  font-weight: 500;
  padding-right: 1rem;

  outline: none;
  color: #a1a1a1;
  background: #1f2123;
}

.search img {
  width: 35px;
  height: 35px;
  cursor: pointer;
}
.empty {
    width: 100%;
    margin-top: 3rem;

    display: flex;
    justify-content: center;
    align-items: center;
  }

  .empty h2 {
    font-size: 1.25rem;
    color: #f9d3b4;
```



```
  font-family: var(--font-raleway);
}

.container {
  width: 100%;
  margin-top: 3rem;

  display: flex;
  justify-content: center;
  align-items: center;
  flex-wrap: wrap;
}

.movie {
  width: 310px;
  height: 460px;
  margin: 1.5rem;

  position: relative;
  border-radius: 12px;
  overflow: hidden;
  border: none;

  transition: all 0.4s cubic-bezier(0.175, 0.885, 0, 1);
  box-shadow: 0px 13px 10px -7px rgba(0, 0, 0, 0.1);
}
.movie div:nth-of-type(1) {
  position: absolute;
  padding: 16px;
  width: 100%;
  opacity: 0;
  top: 0;
  color: #f9d3b4;
}

.movie:hover {
  box-shadow: 0px 30px 18px -8px rgba(0, 0, 0, 0.1);
  transform: scale(1.05, 1.05);
}

.movie div:nth-of-type(2) {
  width: 100%;
  height: 100%;
}

.movie div:nth-of-type(2) img {
  height: 100%;
  width: 100%;
}

.movie div:nth-of-type(3) {
```



```
    z-index: 2;
    background-color: #343739;
    padding: 16px 24px 24px 24px;

    position: absolute;
    bottom: 0;
    right: 0;
    left: 0;
  }

  .movie div:nth-of-type(3) span {
    font-family: "Raleway", sans-serif;
    text-transform: uppercase;
    font-size: 13px;
    letter-spacing: 2px;
  font-weight: 500;
  color: #f0f0f0;
}

.movie div:nth-of-type(3) h3 {
  margin-top: 5px;
  font-family: "Roboto Slab", serif;
  color: #f9d3b4;
}

.movie:hover div:nth-of-type(2) {
  height: 100%;
  opacity: 0.3;
}

.movie:hover div:nth-of-type(3) {
  background-color: transparent;
}

.movie:hover div:nth-of-type(1) {
  opacity: 1;
}

@media screen and (max-width: 600px) {
  .app {
    padding: 4rem 2rem;
  }

  .search {
    padding: 1rem 1.75rem;
    width: 100%;
  }

  .search input {
    font-size: 1rem;
  }
  .search img {
    width: 20px;
    height: 20px;
  }
}

@media screen and (max-width: 400px) {
  .app {
    padding: 4rem 1rem;
  }

  h1 {
    font-size: 2rem;
  }

  .container {
    margin-top: 2rem;
  }

  .movie {
    width: "100%";
    margin: 1rem;
  }
}
```

App.js:

```
import React, { useState, useEffect } from "react";

import MovieCard from "./MovieCard";
import SearchIcon from "./search.svg";
import "./App.css";

const API_URL = "http://www.omdbapi.com?apikey=78057d2";

const App = () => {
  const [searchTerm, setSearchTerm] = useState("");
  const [movies, setMovies] = useState([]);

  useEffect(() => {
    searchMovies("Batman");
  }, []);

  const searchMovies = async (title) => {
    const response = await fetch(`${API_URL}&s=${title}`);
    const data = await response.json();

    setMovies(data.Search);
  };
  return (
    <div className="app">
      <h1>MovieLand</h1>

      <div className="search">
        <input
          value={searchTerm}
          onChange={(e) => setSearchTerm(e.target.value)}
          placeholder="Search for movies"
        />
        <img
          src={SearchIcon}
          alt="search"
          onClick={() => searchMovies(searchTerm)}
        />
      </div>

      {movies?.length > 0 ? (
        <div className="container">
          {movies.map((movie) => (
            <MovieCard movie={movie} />
          ))}
        </div>
      ) : (
        <div className="empty">
          <h2>No movies found</h2>
        </div>
      )}
    </div>
  );
};

export default App;
```

Index.js:

```
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App';

ReactDOM.render(<App />, document.getElementById('root'));
```

MovieCard.jsx:

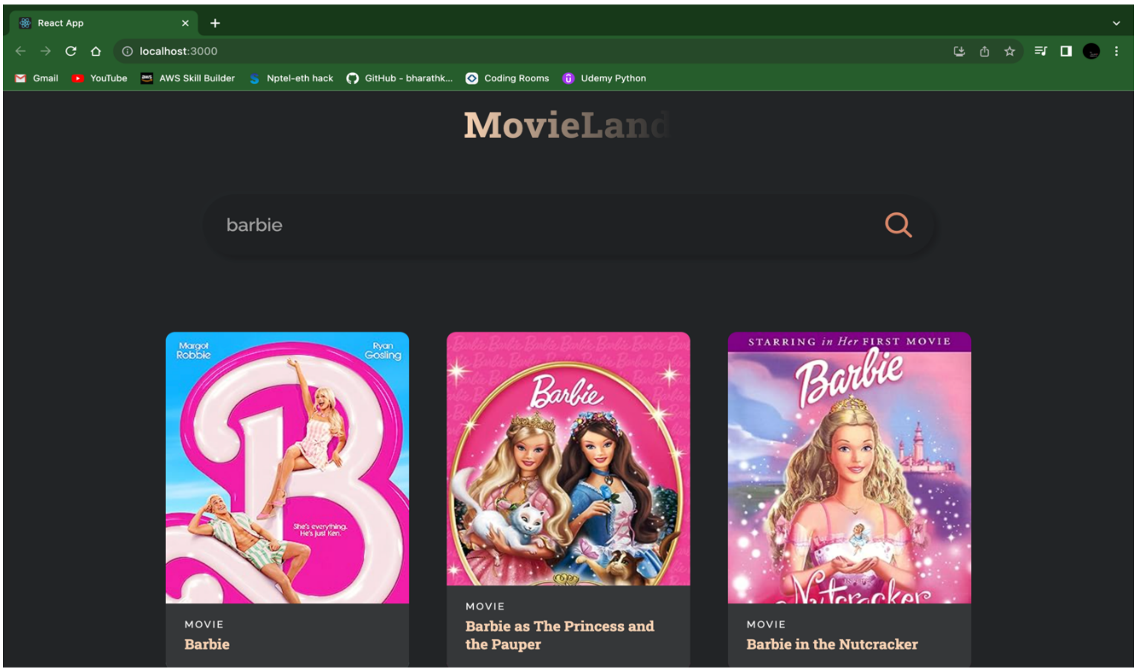
```
import React from 'react';

const MovieCard = ({ movie: { imdbID, Year, Poster, Title, Type } }) => {
  return (
    <div className="movie" key={imdbID}>
      <div>
```

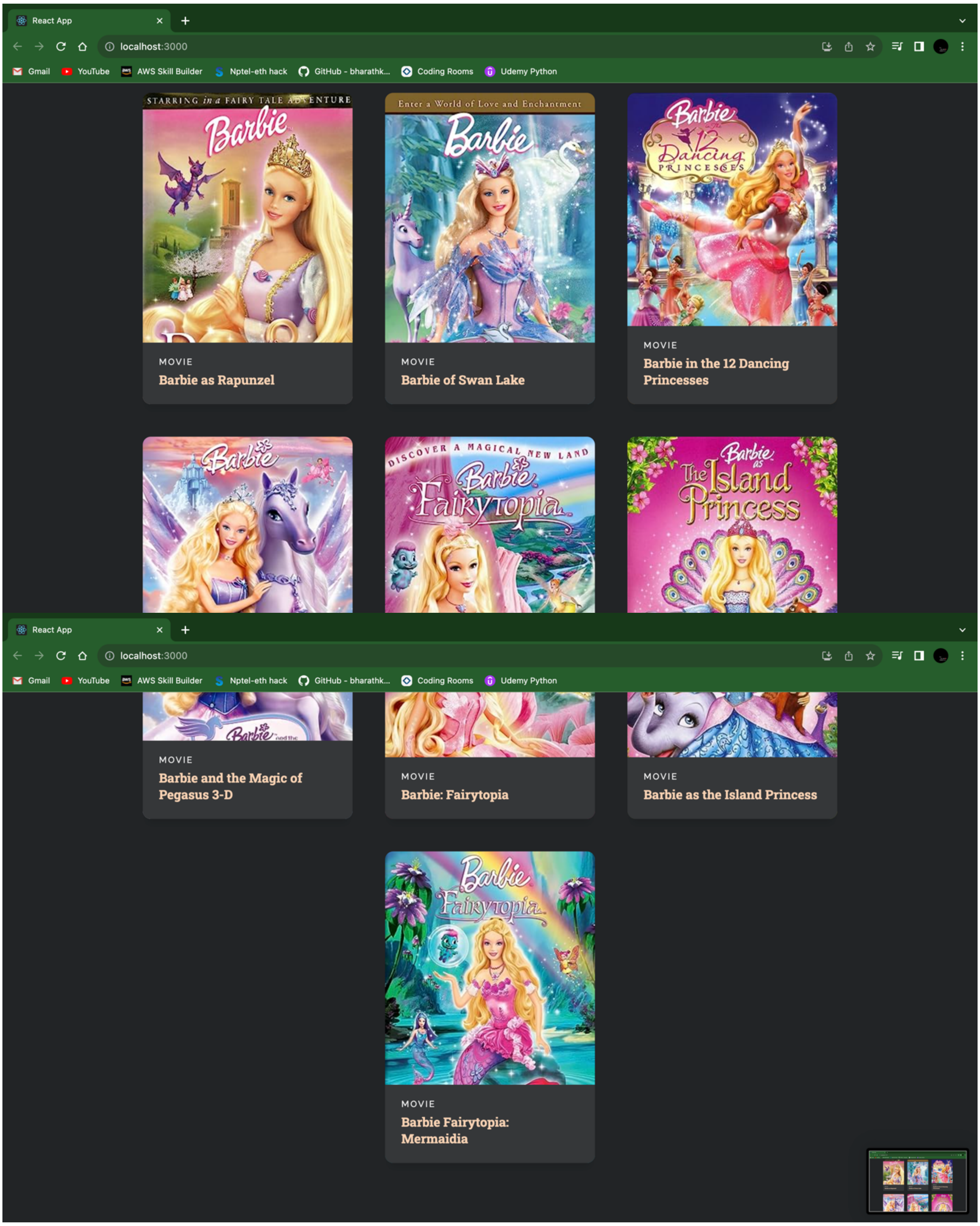
```
        <p>{Year}</p>
      </div>

      <div>
        <img src={Poster !== "N/A" ? Poster : "https://via.placeholder.com/400"}
alt={Title} />
      </div>

      <div>
        <span>{Type}</span>
        <h3>{Title}</h3>
      </div>
    </div>
  );
}

export default MovieCard;
```

search.svg

```
<svg width="42" height="42" viewBox="0 0 42 42" fill="none"
xmlns="http://www.w3.org/2000/svg"> <path d="M29.8594 29.8594L39.4219 39.4219"
stroke="#D88769" stroke-width="4.5" stroke-linecap="round" stroke-
linejoin="round"/> <path d="M17.9062 33.0469C26.2682 33.0469 33.0469 26.2682
33.0469 17.9062C33.0469 9.54431 26.2682 2.76562 17.9062 2.76562C9.54431 2.76562
2.76562 9.54431 2.76562 17.9062C2.76562 26.2682 9.54431 33.0469 17.9062 33.0469Z"
stroke="#D88769" stroke-width="4.5" stroke-linecap="round" stroke-
linejoin="round"/> </svg>
```

Output:





MOVIE
Barbie as Rapunzel

MOVIE
Barbie of Swan Lake

MOVIE
Barbie in the 12 Dancing Princesses

MOVIE
Barbie and the Magic of Pegasus 3-D

MOVIE
Barbie: Fairytopia

MOVIE
Barbie as the Island Princess

MOVIE
Barbie Fairytopia: Mermaidia

Result:

Therefore, we've successfully created an app using React with Components, Rendering, and Data Sharing.