

**WEB PROGRAMMING LAB**

**BCSE203E**

**SLOT: L11 + L12 + L19 + L20**

LAB MANUAL

Exercise 10

Date: 01-04-2025

**GITHUB REPO LINK:**

<https://github.com/divyanshupatel17/23BAI1214_WEB_LAB>

**WEB PROG LAB PORTFOLIO:**

[**https://23bai1214-divyanshu-web-v0.netlify.app/**](https://23bai1214-divyanshu-web-v0.netlify.app/)

**SUBMITTED TO:**

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1. **Card**

[**https://23bai1214-divyanshu-exercise-10-t-1.netlify.app/**](https://23bai1214-divyanshu-exercise-10-t-1.netlify.app/)

src/components/MovieCard.jsx

import React from 'react';

import '../styles/MovieCard.css';

const MovieCard = ({ title, year, genre, rating, image }) => {

  const renderStars = () => {

    const stars = [];

    const maxRating = 5;

    for (let i = 0; i < rating; i++) {

      stars.push(<span key={i} className="star filled">★</span>);

    }

    for (let i = rating; i < maxRating; i++) {

      stars.push(<span key={i + rating} className="star empty">★</span>);

    }

    return stars;

  };

  return (

    <div className="movie-card">

      <div className="movie-image">

        <img src={image} alt={`${title} movie poster`} />

      </div>

      <div className="movie-info">

        <h2 className="movie-title">{title}</h2>

        <p className="movie-year">YEAR: {year}</p>

        <p className="movie-genre">GENRE: {genre}</p>

        <div className="movie-rating">

          RATING: {renderStars()}

        </div>

      </div>

    </div>

  );

};

export default MovieCard;

src/components/MovieList.jsx

import React from 'react';

import MovieCard from './MovieCard';

import titanicImg from '../assets/titanic.jpg';

import avatarImg from '../assets/avatar.jpg';

import inceptionImg from '../assets/inception.jpg';

import '../styles/MovieList.css';

const MovieList = () => {

  const movies = [

    {

      id: 1,

      title: 'TITANIC',

      year: '2034',

      genre: 'ACTION',

      rating: 4,

      image: titanicImg

    },

    {

      id: 2,

      title: 'AVATAR',

      year: '2025',

      genre: 'SCI-FI',

      rating: 5,

      image: avatarImg

    },

    {

      id: 3,

      title: 'INCEPTION',

      year: '2028',

      genre: 'THRILLER',

      rating: 4,

      image: inceptionImg

    }

  ];

  return (

    <div className="movie-list-container">

      <h1>Featured Movies</h1>

      <div className="movie-list">

        {movies.map(movie => (

          <MovieCard

            key={movie.id}

            title={movie.title}

            year={movie.year}

            genre={movie.genre}

            rating={movie.rating}

            image={movie.image}

          />

        ))}

      </div>

    </div>

  );

};

export default MovieList;

src/styles/MovieCard.css

.movie-card {

  width: 250px;

  border: 2px solid #000;

  margin: 15px;

  padding: 10px;

  display: flex;

  flex-direction: column;

  align-items: center;

  background-color: white;

  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

  transition: transform 0.3s ease;

}

.movie-card:hover {

  transform: translateY(-5px);

}

.movie-image {

  width: 100%;

  border: 1px solid #000;

  margin-bottom: 10px;

}

.movie-image img {

  width: 100%;

  height: 300px;

  object-fit: cover;

}

.movie-info {

  width: 100%;

  text-align: center;

}

.movie-title {

  font-size: 1.5rem;

  margin: 5px 0;

  font-weight: bold;

}

.movie-year, .movie-genre {

  margin: 5px 0;

  font-weight: bold;

}

.movie-rating {

  margin: 5px 0;

  font-weight: bold;

  display: flex;

  align-items: center;

  justify-content: center;

}

.star {

  margin-left: 3px;

  font-size: 1.5rem;

}

.star.filled {

  color: #ffd700;

}

.star.empty {

  color: #cccccc;

}

src/styles/MovieList.css

.movie-list-container {

  max-width: 1200px;

  margin: 0 auto;

  padding: 20px;

}

.movie-list-container h1 {

  text-align: center;

  margin-bottom: 30px;

  color: #333;

}

.movie-list {

  display: flex;

  flex-wrap: wrap;

  justify-content: center;

  gap: 20px;

}

src/App.jsx

import React from 'react'

import MovieList from './components/MovieList'

import './App.css'

function App() {

  return (

    <div className="app-container">

      <header className="app-header">

        <h1>React Movie Cards</h1>

      </header>

      <main>

        <MovieList />

      </main>

      <footer className="app-footer">

        <p>&copy; 2023 React Movie Cards App</p>

      </footer>

    </div>

  )

}

export default App

src/App.css

\* {

  margin: 0;

  padding: 0;

  box-sizing: border-box;

}

body {

  font-family: 'Arial', sans-serif;

  background-color: #f0f0f0;

  color: #333;

}

.app-container {

  min-height: 100vh;

  display: flex;

  flex-direction: column;

}

.app-header {

  background-color: #333;

  color: white;

  padding: 20px 0;

  text-align: center;

  box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

}

main {

  flex: 1;

  padding: 20px;

}

.app-footer {

  background-color: #333;

  color: white;

  text-align: center;

  padding: 15px 0;

  margin-top: auto;

}

src/index.css

:root {

  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto,

    Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;

  line-height: 1.5;

  font-weight: 400;

}

\* {

  margin: 0;

  padding: 0;

  box-sizing: border-box;

}

html, body {

  height: 100%;

}

body {

  background-color: #f5f5f5;

  color: #333;

}

#root {

  min-height: 100vh;

  display: flex;

  flex-direction: column;

}

button {

  cursor: pointer;

  font-family: inherit;

}

src/main.jsx

import { StrictMode } from 'react'

import { createRoot } from 'react-dom/client'

import './index.css'

import App from './App.jsx'

createRoot(document.getElementById('root')).render(

  <StrictMode>

    <App />

  </StrictMode>,

)

OUTPUT:

A screenshot of a movie card

AI-generated content may be incorrect.