// App.js

import React from 'react';

import './App.css';

import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';

import HomePage from './components/HomePage';

import SpaceDetails from './components/SpaceDetails';

import Navbar from './components/Navbar';

function App() {

return (

<Router>

<div className="app">

<Navbar />

<Routes>

<Route path="/" element={<HomePage />} />

<Route path="/space/:id" element={<SpaceDetails />} />

</Routes>

</div>

</Router>

);

}

export default App;

// components/HomePage.js

import React from 'react';

import { Link } from 'react-router-dom';

import SearchBar from './SearchBar';

import FeatureCard from './FeatureCard';

import SpaceCard from './SpaceCard';

const HomePage = () => {

const featureCards = [

{

id: 'find',

icon: 'location',

title: 'Find Spaces',

description: 'Discover study spots near you with detailed information and reviews'

},

{

id: 'rate',

icon: 'star',

title: 'Rate & Review',

description: 'Share your experiences and help others find the best study spaces'

},

{

id: 'study',

icon: 'book',

title: 'Study Better',

description: 'Find the perfect environment that matches your study style'

}

];

const featuredSpaces = [

{

id: 1,

name: 'University Library',

location: 'Main Campus',

description: 'Quiet study environment with individual desks',

rating: 4.5

},

{

id: 2,

name: 'Coffee House Study Lounge',

location: 'Downtown',

description: 'Cozy atmosphere with free WiFi',

rating: 4.2

},

{

id: 3,

name: 'Student Center',

location: 'North Campus',

description: 'Group study rooms and collaborative spaces',

rating: 4.0

}

];

return (

<div className="home-container">

<header className="hero">

<h1>Rate My Study Space</h1>

<p className="subtitle">

Find the perfect spot to study, work, or collaborate. Read reviews from

fellow students and share your experiences.

</p>

<SearchBar />

</header>

<section className="features-section">

<div className="features-container">

{featureCards.map(card => (

<FeatureCard

key={card.id}

icon={card.icon}

title={card.title}

description={card.description}

/>

))}

</div>

</section>

<section className="featured-spaces">

<h2>Featured Study Spaces</h2>

<div className="spaces-grid">

{featuredSpaces.map(space => (

<SpaceCard

key={space.id}

id={space.id}

name={space.name}

location={space.location}

description={space.description}

rating={space.rating}

/>

))}

</div>

</section>

</div>

);

};

export default HomePage;

// components/SearchBar.js

import React, { useState } from 'react';

const SearchBar = () => {

const [searchQuery, setSearchQuery] = useState('');

const handleSearch = (e) => {

e.preventDefault();

// Handle search logic here

console.log('Searching for:', searchQuery);

};

return (

<div className="search-bar">

<form onSubmit={handleSearch}>

<div className="search-container">

<input

type="text"

placeholder="Search for study spaces..."

value={searchQuery}

onChange={(e) => setSearchQuery(e.target.value)}

className="search-input"

/>

<button type="submit" className="search-button">

Search

</button>

</div>

</form>

</div>

);

};

export default SearchBar;

// components/FeatureCard.js

import React from 'react';

const FeatureCard = ({ icon, title, description }) => {

const renderIcon = () => {

switch (icon) {

case 'location':

return <span className="icon location-icon">📍</span>;

case 'star':

return <span className="icon star-icon">⭐</span>;

case 'book':

return <span className="icon book-icon">📚</span>;

default:

return null;

}

};

return (

<div className="feature-card">

{renderIcon()}

<h3>{title}</h3>

<p>{description}</p>

</div>

);

};

export default FeatureCard;

// components/SpaceCard.js

import React from 'react';

import { Link } from 'react-router-dom';

const SpaceCard = ({ id, name, location, description, rating }) => {

const renderStars = (rating) => {

return (

<div className="rating">

<span className="star">⭐</span>

<span>{rating}</span>

</div>

);

};

return (

<Link to={`/space/${id}`} className="space-card">

<h3>{name}</h3>

<div className="location">

<span className="location-icon">📍</span>

<span>{location}</span>

</div>

<p className="description">{description}</p>

{renderStars(rating)}

</Link>

);

};

export default SpaceCard;

// components/Navbar.js

import React from 'react';

import { Link } from 'react-router-dom';

const Navbar = () => {

return (

<nav className="navbar">

<div className="nav-container">

<div className="nav-left">

<Link to="/" className="nav-logo">

RateMyStudySpace

</Link>

</div>

<div className="nav-right">

<Link to="/login" className="nav-link">Login</Link>

<Link to="/signup" className="nav-button">Sign Up</Link>

</div>

</div>

</nav>

);

};

export default Navbar;