Slot5\_Ex1  
App.js  
import { useState } from 'react';

import NavbarComponent from './components/Navbar';

import Hero from './components/Hero';

import Filters from './components/Filters';

import RecipeGrid from './components/RecipeGrid';

import Footer from './components/Footer';

import './App.css';

const recipesData = [

  {

    title: "Mediterranean Chickpea Salad",

    description: "A refreshing, protein-packed salad tossed in a lemon-olive oil dressing.",

    servings: 2,

    prep: 10,

    cook: 0,

    image: "/images/photo-1512621776951-a57141f2eefd.jpg"

  },

  {

    title: "Avocado & Tomato Wholegrain Toast",

    description: "Creamy avocado spread over toasted wholegrain bread, topped with juicy tomatoes.",

    servings: 1,

    prep: 5,

    cook: 5,

    image: "/images/photo-1541519227354-08fa5d50c44d.jpg"

  },

  {

    title: "One-Pan Lemon Garlic Salmon",

    description: "A 15-minute weeknight dinner of flaky salmon and tender asparagus.",

    servings: 2,

    prep: 5,

    cook: 12,

    image: "/images/photo-1467003909585-2f8a72700288.jpg"

  },

  {

    title: "Quinoa Veggie Power Bowl",

    description: "A balanced bowl of fluffy quinoa, roasted veggies and healthy fats.",

    servings: 2,

    prep: 10,

    cook: 15,

    image: "/images/photo-1512621776951-a57141f2eefd.jpg"

  },

  {

    title: "Sweet Potato Black Bean Tacos",

    description: "Smoky roasted sweet potatoes and black beans tucked into warm tortillas.",

    servings: 3,

    prep: 10,

    cook: 15,

    image: "/images/photo-1551504734-5ee1c4a1479b.jpg"

  },

  {

    title: "Greek Yogurt Berry Parfait",

    description: "Layers of creamy yogurt, fresh berries and crunchy oats for a high-protein snack.",

    servings: 1,

    prep: 5,

    cook: 0,

    image: "/images/photo-1488477181946-6428a0291777.jpg"

  },

  {

    title: "Lentil & Spinach Soup",

    description: "A hearty 30-minute soup rich in plant protein and iron.",

    servings: 4,

    prep: 10,

    cook: 20,

    image: "/images/photo-1547592180-85f173990554.jpg"

  },

  {

    title: "Banana Oat Pancakes",

    description: "Flour-free pancakes sweetened naturally with ripe bananas.",

    servings: 2,

    prep: 5,

    cook: 10,

    image: "/images/photo-1567620905732-2d1ec7ab7445.jpg"

  }

];

function App() {

  // State management for filters

  const [searchTerm, setSearchTerm] = useState('');

  const [maxPrepTime, setMaxPrepTime] = useState('');

  const [maxCookTime, setMaxCookTime] = useState('');

  // Filter recipes based on search criteria

  const filteredRecipes = recipesData.filter(recipe => {

    const matchesSearch = recipe.title.toLowerCase().includes(searchTerm.toLowerCase()) ||

                         recipe.description.toLowerCase().includes(searchTerm.toLowerCase());

    const matchesPrepTime = !maxPrepTime || recipe.prep <= parseInt(maxPrepTime);

    const matchesCookTime = !maxCookTime || recipe.cook <= parseInt(maxCookTime);

    return matchesSearch && matchesPrepTime && matchesCookTime;

  });

  return (

    <div className="App">

      {/\* Navigation \*/}

      <NavbarComponent />

      {/\* Hero Section \*/}

      <Hero />

      {/\* Filters Section \*/}

      <Filters

        searchTerm={searchTerm}

        setSearchTerm={setSearchTerm}

        maxPrepTime={maxPrepTime}

        setMaxPrepTime={setMaxPrepTime}

        maxCookTime={maxCookTime}

        setMaxCookTime={setMaxCookTime}

      />

      {/\* Recipe Grid \*/}

      <RecipeGrid recipes={filteredRecipes} />

      {/\* Footer \*/}

      <Footer />

    </div>

  );

}

export default App;

Filters.jsx

import { Form, InputGroup, Row, Col, Container } from 'react-bootstrap';

const Filters = ({ searchTerm, setSearchTerm, maxPrepTime, setMaxPrepTime, maxCookTime, setMaxCookTime }) => {

  return (

    <div className="bg-light py-4">

      <Container>

        <Row className="justify-content-center">

          <Col lg={10}>

            <Row className="g-3">

              {/\* Prep Time Filter - Half width on tablet, full on mobile \*/}

              <Col lg={3} md={6} sm={12} className="mb-3 mb-lg-0">

                <Form.Select

                  size="lg"

                  value={maxPrepTime}

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

                >

                  <option value="">Max Prep Time</option>

                  <option value="5">5 mins</option>

                  <option value="10">10 mins</option>

                  <option value="15">15 mins</option>

                  <option value="20">20 mins</option>

                </Form.Select>

              </Col>

              {/\* Cook Time Filter - Half width on tablet, full on mobile \*/}

              <Col lg={3} md={6} sm={12}>

                <Form.Select

                  size="lg"

                  value={maxCookTime}

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

                >

                  <option value="">Max Cook Time</option>

                  <option value="0">No cooking</option>

                  <option value="10">10 mins</option>

                  <option value="15">15 mins</option>

                  <option value="20">20 mins</option>

                </Form.Select>

              </Col>

              {/\* Search Input - Full width on mobile, half on desktop \*/}

              <Col lg={6} md={12} className="mb-3 mb-lg-0">

                <InputGroup size="lg">

                  <InputGroup.Text className="bg-white border-end-0">

                    🔍

                  </InputGroup.Text>

                  <Form.Control

                    type="text"

                    placeholder="Search by name or ingredient..."

                    value={searchTerm}

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

                    className="border-start-0"

                    style={{ boxShadow: 'none' }}

                  />

                </InputGroup>

              </Col>

            </Row>

          </Col>

        </Row>

      </Container>

    </div>

  );

};

export default Filters;

Footer.jsx  
import { Container } from 'react-bootstrap';

const Footer = () => {

  return (

    <footer className="bg-dark text-light py-4 mt-5">

      <Container>

        <div className="d-flex justify-content-between align-items-center">

          <div>

            <span>Made with ❤️ and 🥗</span>

          </div>

          <div className="d-flex gap-3">

            <span>📷</span>

            <span>🐦</span>

            <span>🎵</span>

          </div>

        </div>

      </Container>

    </footer>

  );

};

export default Footer;

Hero.jsx  
import { Container, Row, Col } from 'react-bootstrap';

const Hero = () => {

  return (

    <div className="bg-light py-5">

      <Container>

        <Row className="justify-content-center text-center">

          <Col lg={8}>

            <h1 className="display-5 fw-bold text-dark mb-3">

              Explore our simple, healthy recipes

            </h1>

            <p className="lead text-muted">

              Discover eight quick, whole-food dishes that fit real-life schedules and taste amazing.

              Use the search bar to find a recipe by name or ingredient, or simply scroll through

              the list and let your senses be drawn to one.

            </p>

          </Col>

        </Row>

      </Container>

    </div>

  );

};

export default Hero;

Navbar.jsx  
import { Navbar, Nav, Container } from 'react-bootstrap'

const NavbarComponent = () => {

  return (

    <Navbar bg="white" expand="lg" className="shadow-sm">

      <Container>

        <Navbar.Brand href="#" className="d-flex align-items-center">

          <span className="text-success me-2">🍃</span>

          <span className="fw-bold text-dark">Healthy Recipe Finder</span>

        </Navbar.Brand>

        <Navbar.Toggle aria-controls="basic-navbar-nav" />

        <Navbar.Collapse id="basic-navbar-nav">

          <Nav className="ms-auto">

            <Nav.Link href="#" className="text-dark fw-medium">Home</Nav.Link>

            <Nav.Link href="#" className="text-dark fw-medium">About</Nav.Link>

            <Nav.Link href="#" className="text-dark fw-medium" style={{ marginRight: '400px' }}>Recipes</Nav.Link>

            <Nav.Link

              href="#"

              className="btn btn-dark text-white px-3 py-2 rounded ms-2"

              style={{ textDecoration: 'none' }}

            >

              Browse recipes

            </Nav.Link>

          </Nav>

        </Navbar.Collapse>

      </Container>

    </Navbar>

  )

}

export default NavbarComponent

RecipCard.jsx  
import { useState } from 'react';

import { Card, Button, Modal } from 'react-bootstrap';

const RecipeCard = ({ recipe }) => {

  const [showModal, setShowModal] = useState(false);

  const handleClose = () => setShowModal(false);

  const handleShow = () => setShowModal(true);

  return (

    <>

      <Card className="h-100 shadow-sm">

        <Card.Img

          variant="top"

          src={recipe.image}

          style={{ height: '200px', objectFit: 'cover' }}

          alt={recipe.title}

        />

        <Card.Body className="d-flex flex-column">

          <Card.Title className="fs-6 fw-bold mb-2">

            {recipe.title}

          </Card.Title>

          <Card.Text className="text-muted small mb-3 flex-grow-1">

            {recipe.description}

          </Card.Text>

          <div className="d-flex justify-content-between align-items-center mb-3">

            <div className="d-flex align-items-center">

              <span className="me-2">👥</span>

              <small className="text-muted">Servings: {recipe.servings}</small>

            </div>

            <div className="d-flex align-items-center">

              <span className="me-2">⏱️</span>

              <small className="text-muted">Prep: {recipe.prep} mins</small>

            </div>

          </div>

          {recipe.cook > 0 && (

            <div className="d-flex align-items-center mb-3">

              <span className="me-2">🔥</span>

              <small className="text-muted">Cook: {recipe.cook} mins</small>

            </div>

          )}

          <Button

            variant="success"

            size="sm"

            className="w-100"

            onClick={handleShow}

          >

            View Recipe

          </Button>

        </Card.Body>

      </Card>

      {/\* Recipe Detail Modal \*/}

      <Modal show={showModal} onHide={handleClose} size="lg" centered>

        <Modal.Header closeButton className="border-0">

          <Modal.Title className="fw-bold">{recipe.title}</Modal.Title>

        </Modal.Header>

        <Modal.Body>

          <div className="row">

            <div className="col-lg-6 col-md-12 mb-3">

              <img

                src={recipe.image}

                alt={recipe.title}

                className="img-fluid rounded"

                style={{ width: '100%', height: '250px', objectFit: 'cover' }}

              />

            </div>

            <div className="col-lg-6 col-md-12">

              <h5 className="mb-3">Recipe Details</h5>

              <p className="text-muted mb-4">{recipe.description}</p>

              <div className="mb-3">

                <div className="d-flex align-items-center mb-2">

                  <span className="me-2">👥</span>

                  <strong>Servings:</strong> <span className="ms-2">{recipe.servings}</span>

                </div>

                <div className="d-flex align-items-center mb-2">

                  <span className="me-2">⏱️</span>

                  <strong>Prep Time:</strong> <span className="ms-2">{recipe.prep} minutes</span>

                </div>

                {recipe.cook > 0 && (

                  <div className="d-flex align-items-center mb-2">

                    <span className="me-2">🔥</span>

                    <strong>Cook Time:</strong> <span className="ms-2">{recipe.cook} minutes</span>

                  </div>

                )}

                <div className="d-flex align-items-center">

                  <span className="me-2">🕒</span>

                  <strong>Total Time:</strong> <span className="ms-2">{recipe.prep + recipe.cook} minutes</span>

                </div>

              </div>

              <div className="border-top pt-3">

                <h6 className="mb-2">Nutritional Benefits:</h6>

                <p className="small text-muted">

                  This healthy recipe is packed with nutritious ingredients that provide essential vitamins,

                  minerals, and antioxidants to support your wellness goals.

                </p>

              </div>

            </div>

          </div>

        </Modal.Body>

        <Modal.Footer className="border-0 justify-content-between">

          <Button variant="outline-secondary" onClick={handleClose}>

            Close

          </Button>

          <Button variant="success" onClick={() => alert('Added to Cart!')}>

            <span className="me-2">🛒</span>

            Add to Cart

          </Button>

        </Modal.Footer>

      </Modal>

    </>

  );

};

export default RecipeCard;

RecipeGrid.jsx  
import { Container, Row, Col } from 'react-bootstrap';

import RecipeCard from './RecipeCard';

const RecipeGrid = ({ recipes }) => {

  return (

    <Container className="py-5">

      <Row>

        {recipes.map((recipe, index) => (

          <Col key={index} xl={4} lg={4} md={6} sm={12} className="mb-4">

            <RecipeCard recipe={recipe} />

          </Col>

        ))}

      </Row>

      {recipes.length === 0 && (

        <div className="text-center py-5">

          <h3 className="text-muted">No recipes found</h3>

          <p className="text-muted">Try adjusting your search criteria</p>

        </div>

      )}

    </Container>

  );

};

export default RecipeGrid;

  
  
