LEVEL 2: TASK 2

```
import React, { useState } from 'react';

import { Menu, X, Home, Info, Mail, User } from 'lucide-react';


function App() {

 const [isMenuOpen, setIsMenuOpen] = useState(false);


 const toggleMenu = () => {

  setIsMenuOpen(!isMenuOpen);

 };


 return (

  <div className="min-h-screen bg-gray-50">

   {/* Navigation Bar */}

   <nav className="bg-white shadow-lg">

    <div className="max-w-7xl mx-auto px-4">

     <div className="flex justify-between h-16">

      {/* Logo and Brand */}

      <div className="flex items-center">

       <span className="text-xl font-bold text-gray-800">MyBrand</span>

      </div>


      {/* Desktop Navigation */}

      <div className="hidden md:flex items-center space-x-8">

       <a href="#" className="flex items-center text-gray-600 hover:text-gray--900">

        <Home className="w-4 h-4 mr-1" />

        Home

       </a>

       <a href="#" className="flex items-center text-gray-600 hover:text-gray--900">
```

```jsx
        <Info className="w-4 h-4 mr-1" />
        About
      </a>
      <a href="#" className="flex items-center text-gray-600 hover:text-gray-900">
        <Mail className="w-4 h-4 mr-1" />
        Contact
      </a>
      <a href="#" className="flex items-center text-gray-600 hover:text-gray-900">
        <User className="w-4 h-4 mr-1" />
        Profile
      </a>
    </div>

    {/* Mobile menu button */}
    <div className="md:hidden flex items-center">
      <button
        onClick={toggleMenu}
        className="text-gray-600 hover:text-gray-900 focus:outline-none"
      >
        {isMenuOpen ? <X className="h-6 w-6" /> : <Menu className="h-6 w-6" />}
      </button>
    </div>
  </div>
</div>

{/* Mobile Navigation */}
<div className={`md:hidden ${isMenuOpen ? 'block' : 'hidden'}`}>
  <div className="px-2 pt-2 pb-3 space-y-1 bg-white">
```

```jsx
        <a href="#" className="flex items-center px-3 py-2 text-gray-600 hover:bg-gray-100 rounded-md">
          <Home className="w-4 h-4 mr-2" />
          Home
        </a>
        <a href="#" className="flex items-center px-3 py-2 text-gray-600 hover:bg-gray-100 rounded-md">
          <Info className="w-4 h-4 mr-2" />
          About
        </a>
        <a href="#" className="flex items-center px-3 py-2 text-gray-600 hover:bg-gray-100 rounded-md">
          <Mail className="w-4 h-4 mr-2" />
          Contact
        </a>
        <a href="#" className="flex items-center px-3 py-2 text-gray-600 hover:bg-gray-100 rounded-md">
          <User className="w-4 h-4 mr-2" />
          Profile
        </a>
      </div>
    </div>
  </nav>

  {/* Main Content */}
  <main className="max-w-7xl mx-auto px-4 py--8">
    <div className="grid md:grid-cols-2 lg:grid-cols-3 gap-6">
      {/* Content Cards */}
      {[1, 2, 3].map((item) => (
        <div key={item} className="bg-white rounded-lg shadow-md p-6">
```

```
            <img
              src={`https://images.unsplash.com/photo-1${600 + item}000000-
000000000000?auto=format&fit=crop&w=800&q=80`}
              alt={`Content ${item}`}
              className="w-full h-48 object-cover rounded-md mb-4"
            />
            <h2 className="text-xl font-semibold mb-2">Content Title {item}</h2>
            <p className="text-gray-600">
              Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod
              tempor incididunt ut labore et dolore magna aliqua.
            </p>
            <button className="mt-4 bg-blue-600 text-white px-4 py-2 rounded-md hover:bg-blue-700
transition-colors">
              Learn More
            </button>
          </div>
        ))}
      </div>
    </main>
  </div>
  );
}


export default App;
```