

## Blog Website

1. Lets install react and tailwind css.

2. Lets create api folder where public,src folder are staying.api->db.json and put json data.

3. npm install -g json-server / npm install json-server --save-dev

4. json-server --watch api/db.json --port 5000 .... Then we can see your api data.

5. Lets check the is working or not->

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

```
const App = () => { const [data, setData] = useState([]);
```

```
useEffect(() => {fetch('http://localhost:5000/articles').then((response) => response.json()) .then((data) =>
```

```
setData(data)) .catch((error) => console.error('Error fetching data:', error));}, []);
```

```
return (<div><h1>Articles</h1>{data.map((item) => (<div
```

```
key={item.id}><h2>{item.title}</h2><p>{item.content}</p><img src={item.image} alt=""
```

```
/></div>))}</div>);};export default App;
```

6. Lets install react-router-dom and configure it on app.jsx->

```
<BrowserRouter><Navbar /><Routes><Route path="/" element={<Home />} /></Routes></BrowserRouter>
```

Pages will home,blogs,services,contact,about

7. lets intall react-icons

8. Navbar.jsx->

```
import React, { useState } from "react";import { FaBars, FaDribbble, FaFacebook, FaTwitter } from
```

```
"react-icons/fa";import { FiX } from "react-icons/fi";import { Link, useLocation } from "react-router-dom";
```

```
const Navbar = () => {const [isMenuOpen, setIsMenuOpen] = useState(false);const toggleMenu = () =>
```

```
setIsMenuOpen(!isMenuOpen);const location = useLocation(); const navItems = [ { to: "/", label: "Home" },{ to:
```

```
"/blogs", label: "Blogs" }, { to: "/services", label: "Services" },{ to: "/about", label: "About Us" },{ to: "/contact",
```

```
label: "Contact" },,];
```

```
return (<header className="bg-gray-800 text-white py-4 fixed top-0 right-0 left-0 z-50"><nav className="flex
```

```
justify-between items-center max-w-screen-xl mx-auto px-4"><Link to="/" className="text-2xl font-bold
```

```
text-orange-600"> <span>DK</span> </Link>
```

```
{/* Desktop Menu */}
```

```
<ul className="space-x-6 md:flex gap-6 text-lg hidden">{navItems.map((item) => (<li key={item.to}> <Link
```

```
to={item.to} className={` hover:text-orange-400 ${location.pathname === item.to ? "text-orange-500 border-b-2
```

```
border-orange-500": "" }`} >{item.label} </Link></li> ))}</ul>
```

```
{/* Social + Login (Desktop) */}
```

```
<div className="text-white lg:flex gap-4 items-center hidden cursor-pointer"><FaFacebook
```

```
className="hover:text-orange-600" /><FaDribbble className="hover:text-orange-600" /><FaTwitter
```

```
className="hover:text-orange-600" /><button className="bg-orange-500 px-6 py-2 font-medium rounded
```

```
hover:bg-white hover:text-orange-500 transition-all duration-200 ease-in cursor-pointer"> Log in
```

```
</button></div>
```

```
{/* Mobile Nav Button */}
```

```
<div className="md:hidden z-50"> <button onClick={toggleMenu} className="cursor-pointer"> {isMenuOpen
```

```
? ( <FiX className="w-5 h-5" /> ) : ( <FaBars className="w-5 h-5" /> ) } </button></div></nav>
```

```
{/* Mobile Nav Menu */}
```

```
<ul className={` md:hidden fixed top-0 left-0 w-full h-full bg-gray-800 text-white z-40 transform ${isMenuOpen
```

```
? "translate-y-0" : "-translate-y-full" } transition-transform ease-out duration-300 px-4 space-y-6 flex flex-col
```

```
items-center justify-center`} >{navItems.map((item) => ( <li key={item.to}> <Link to={item.to} onClick={() =>
```

```
setIsMenuOpen(false)}className="hover:text-orange-400"> {item.label} </Link></li> ))}</ul> </header>
```

```
);};export default Navbar;
```

9.component/ Banner.jsx in home.jsx and in banner.jsx->

```
import React from "react";import { FaArrowRight } from "react-icons/fa";import { Link } from
```

```
"react-router-dom";
```

```
const Banner = () => { return ( <div className="px-4 py-32 bg-gray-900"><div className="text-white
```

```
text-center"><h1 className="text-3xl lg:text-7xl leading-snug font-bold mb-5"> Welcome to our blogs </h1> <p
```

```
className="text-gray-100 lg:w-3/5 mx-auto mb-5">Lorem </p> <div className=""><Link to='/'
className="font-medium hover:text-orange-500 inline-flex items-center">Learn More <FaArrowRight
className="pl-1" /></Link></div></div> </div> );};export default Banner;
```

10. Lets work on all page first->

```
<div> <div className="py-40 bg-gray-900 text-center text-white px-4"> <h2 className="text-3xl lg:text-7xl
leading-snug font-bold mb-5">Services Page</h2> </div> </div>
```

11. Inside blogs.jsx-><div className="max-w-7xl mx-auto"><BlogSection /></div>...BlogSection is a component so lets make it under components folder.

12. Lets work on BlogSection->

```
import React, { useEffect, useState } from "react";
const BlogSection = () => { const [blogs, setBlogs] = useState([]);useEffect(() => { async function fetchBlogs()
{let url = "http://localhost:500/articles";const response = await fetch(url); const data = await
response.json();setBlogs(data); }fetchBlogs(); }, []);
return ( <div> { /* Category Section */}<div className="">Page Category</div>{ /* BlogCard Section */}<div
className=""> </div>{ /* Pagination Section */}</div> );};export default BlogSection;
```

13. Lets create blogCart.jsx and use it in blogCard section div of number 12.

14. In blogCart.jsx->

```
import React from "react";import { FaUser } from "react-icons/fa";import { Link } from "react-router-dom";
const BlogCards = ({ blogs }) => {const filteredBlogs = blogs;
return (<div className="grid md:grid-cols-3 sm:grid-cols-2 grid-cols-1 gap-8">{filteredBlogs.map((blog) => (
<Link key={blog.id} className="p-5 shadow-lg rounded cursor-pointer"> <div className=""> <img
src={blog.image} className="w-full" alt="" /> </div><h3 className="mt-4 mb-2 font-bold hover:text-blue-600
cursor-pointer"> {blog.title}</h3> <p className="mb-2 text-gray-600 text-sm"><FaUser className="inline-flex
items-center nr-2" />{blog.author}</p><p className="text-sm text-gray-500">Published: {blog.published_date}
</p></Link> ))) </div> );};export default BlogCards;
```

15. Again come back to blogSction and do some update for pagination and category

```
const [blogs, setBlogs] = useState([]);const [currentPage, setCurrentPage] = useState(1);const pageSize = 12;
const [selectedCategory, setSelectedCategory] = useState(null); const [activeCategory,setActiveCategory] =
useState(null)
```

```
useEffect(() => {async function fetchBlogs() { let url =
"http://localhost:500/articles?page=${currentPage}&limit=${pageSize}";
if (selectedCategory) { url += `&category=${selectedCategory}`; }
const response = await fetch(url);const data = await response.json(); setBlogs(data); }fetchBlogs(); },
[currentPage, pageSize, selectedCategory]);
```

// Page changing button

```
const handlePageChange = (pageNumber) => {setCurrentPage(pageNumber); };
const handleCategoryChange = (category) => { setSelectedCategory(category)
setCurrentPage(1)setActiveCategory(category) }
```

16. Lets pass them on blogCard-> <BlogCards blogs={blogs} currentPage={currentPage}
selectedCategory={selectedCategory} pageSize = {pageSize} />

17.