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**PROJECT REPORT**

**InsightStream – Navigate the News Landscape**

YEAR : **2024 – 2025**

COLLEGE NAME : **K.C.S KASI NADAR COLLEGE OF ARTS & SCIENCE**

CODE : UNM203

DEPARTMENT : **COMPUTER SCIENCE**

PROGRAM : **B.Sc Computer Science**

SEMESTER : **VI**

PROJECT SUBMITTED TO: UNIVERSITY OF MADRAS / NAAN MUDALVAN

Course Name : **Front End Development and Database Administration**

**TEAM LEADER:**

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**SPOC NAME: Dr.K. LALITHAKAMESWARI**

**Footer.jsx**

import React from 'react'

import '../styles/Footer.css'

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

const Footer = () => {

const navigate = useNavigate();

return (

<footer>

<div className='footer'>

<ul>

<li onClick={()=> navigate("/category/")} >General</li>

<li onClick={()=> navigate("/category/Technology")} >Technology</li>

<li onClick={()=> navigate("/category/Science")} >Science</li>

</ul>

<ul>

<li onClick={()=> navigate("/category/Lifestyle")} >Lifestyle</li>

<li onClick={()=> navigate("/category/Health")} >Health</li>

<li onClick={()=> navigate("/category/Fitness")} >Fitness</li>

</ul>

<ul>

<li onClick={()=> navigate("/category/Business")} >Business</li>

<li onClick={()=> navigate("/category/Stock Markets")} >Stock Markets</li>

<li onClick={()=> navigate("/category/Exchanges")} >Exchanges</li>

</ul>

<ul>

<li onClick={()=> navigate("/category/Geo-Politics")} >Geo-Politics</li>

<li onClick={()=> navigate("/category/Wars")} >Wars</li>

<li onClick={()=> navigate("/category/Current-Affairs")} >Current Affairs</li>

</ul>

</div>

<hr />

<p>SB news - &copy; 2023 - All rights reserved</p>

</footer>

)

}

export default Footer

**Hero.jsx**

import React, { useEffect, useState } from 'react'

import '../styles/Hero.css'

import axios from 'axios';

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

import { GeneralContext } from '../context/GeneralContext';

import Spinner from 'react-bootstrap/Spinner';

const Hero = () => {

const {topNews} = React.useContext(GeneralContext)

return (

<>

{topNews.length > 0 ?

<div className='Hero-container'>

<div className='hero-article-1' onClick={()=> window.open(topNews[1].url, '\_blank')} >

<img src={topNews[1].urlToImage} alt="" />

<h3>{topNews[1].title}</h3>

</div>

<div className='hero-article-2'>

<div className='hero-article-small' onClick={()=> window.open(topNews[2].url, '\_blank')} >

<img src={topNews[2].urlToImage} alt="" />

<p>{topNews[2].title}</p>

</div>

<div className='hero-article-small' onClick={()=> window.open(topNews[3].url, '\_blank')} >

<img src={topNews[3].urlToImage} alt="" />

<p>{topNews[3].title}</p>

</div>

<div className='hero-article-small' onClick={()=> window.open(topNews[4].url, '\_blank')} >

<img src={topNews[4].urlToImage} alt="" />

<p>{topNews[4].title}</p>

</div>

<div className='hero-article-small' onClick={()=> window.open(topNews[5].url, '\_blank')} >

<img src={topNews[5].urlToImage} alt="" />

<p>{topNews[5].title}</p>

</div>

</div>

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>

}

</>

)

}

export default Hero

**HomeArticles.jsx**

import React, { useContext } from 'react'

import '../styles/HomeArticles.css'

import { GeneralContext } from '../context/GeneralContext'

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

import { Spinner } from 'react-bootstrap';

const HomeArticles = () => {

const navigate = useNavigate();

const {businessNews, technologyNews, politicsNews} = useContext(GeneralContext)

return (

<div className='home-articles-container'>

<div className='home-articles-body'>

<div className="home-articles-head">

<h2>Business</h2>

<p onClick={()=> navigate('/category/business')} >View all</p>

</div>

{businessNews.length > 0 ?

<div className="home-articles">

{businessNews.map((news, index)=>{

return index < 3 && (

<div className="home-article" onClick={()=> window.open(news.url, '\_blank')}>

<img src={news.urlToImage} alt="placeholder" />

<p>{news.title}</p>

</div>

)

})}

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>

}

</div>

<div className='home-articles-body'>

<div className="home-articles-head">

<h2>Technology</h2>

<p onClick={()=> navigate('/category/technology')}>View all</p>

</div>

{technologyNews.length > 0 ?

<div className="home-articles">

{technologyNews.map((news, index)=>{

return index < 3 && (

<div className="home-article" onClick={()=> window.open(news.url, '\_blank')}>

<img src={news.urlToImage} alt="placeholder" />

<p>{news.title}</p>

</div>

)

})}

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>

}

</div>

<div className='home-articles-body'>

<div className="home-articles-head">

<h2>Politics</h2>

<p onClick={()=> navigate('/category/politics')}>View all</p>

</div>

{politicsNews.length > 0 ?

<div className="home-articles">

{politicsNews.map((news, index)=>{

return index < 3 && (

<div className="home-article" onClick={()=> window.open(news.url, '\_blank')}>

<img src={news.urlToImage} alt="placeholder" />

<p>{news.title}</p>

</div>

)

})}

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>

}

</div>

</div>

)

}

export default HomeArticles

**NavbarComponent.jsx**

import React, { useEffect, useState } from 'react'

import { IoSearch } from "react-icons/io5";

import '../styles/Navbar.css'

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

const NavbarComponent = () => {

const [active, setActive] = useState('Home');

const navigate = useNavigate();

const [search, setSearch] = useState('');

const handleSearch = () =>{

if (search){

navigate(`/category/${search}`)

setSearch('');

}

}

return (

<div className='navbar'>

<div className='navbar\_\_logo'>

<h2 onClick={()=> {setActive("Home"); navigate("/")}} >SB News</h2>

</div>

<div className='navbar\_\_links'>

<p className={active === 'Home' ? 'active' : ''} onClick={()=> {setActive("Home"); navigate("/")}} >Home</p>

<p className={active === 'General' ? 'active' : ''} onClick={()=> {setActive("General"); navigate("/category/general")}}>General</p>

<p className={active === 'Technology' ? 'active' : ''} onClick={()=> {setActive("Technology"); navigate("/category/technology")}}>Technology</p>

<p className={active === 'Politics' ? 'active' : ''} onClick={()=> {setActive("Politics"); navigate('/category/politics')}}>Politics</p>

<p className={active === 'Health' ? 'active' : ''} onClick={()=> {setActive("Health"); navigate("/category/health")}}>Health</p>

<p className={active === 'Art & Culture' ? 'active' : ''} onClick={()=> {setActive("Art & Culture"); navigate("/category/art&culture")}}>Art & Culture</p>

</div>

<div className="navbar\_\_search">

<input className='search-input' type="text" placeholder="Search" onChange={(e)=> setSearch(e.target.value)} value={search} />

<IoSearch className='search-icon' onClick={()=> handleSearch()} />

</div>

</div>

)

}

export default NavbarComponent

**NewsLetter.jsx**

import React, { useState } from 'react'

import '../styles/NewsLetter.css'

const NewsLetter = () => {

const [showA, setShowA] = useState(false);

const [email, setEmail] = useState('');

const hangleSubmit = (e) =>{

e.preventDefault()

setEmail('')

setShowA(true)

setTimeout(() => {

setShowA(false)

}, 3000);

}

return (

<div className='newsletter-container'>

<h2>Subscribe to the newsletter</h2>

<h4>Get a weekly digest of our most important stories direct to your inbox.</h4>

<form className='newsletter-form'>

<input type='text' placeholder='Enter Your Email' onChange={(e)=> setEmail(e.target.value)} value={email} />

<button onClick={hangleSubmit} >Subscribe</button>

</form>

{showA ?

<div className='newsletter-success'>

<p>Thank you for subscribing!</p>

<p>You will receive a confirmation email shortly.</p>

</div>

:""}

<p>Place some disclaimer text here about how subscriber’s email, Privacy Policy and all that.</p>

</div>

)

}

export default NewsLetter

**TopStories.jsx**

import React, { useEffect, useState } from 'react'

import '../styles/TopStories.css'

import axios from 'axios';

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

import { GeneralContext } from '../context/GeneralContext';

import { Spinner } from 'react-bootstrap';

const TopStories = () => {

const navigate = useNavigate();

const {topNews} = React.useContext(GeneralContext)

return (

<div className="top-stories-container">

<h3>Top Stories</h3>

{topNews && topNews.length > 0 ?

<div className="top-stories">

{topNews.map((article, index) => {

return index > 5 && index < 16 && (

<div className="top-story" key={index} onClick={()=> window.open(article.url, '\_blank')} >

<img src={article.urlToImage} alt="placeholder" />

<p>{article.title.slice(0,40)}...</p>

</div>

)

}

)}

<button onClick={()=> navigate('/category/trending')} >View more</button>

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>}

</div>

)

}

export default TopStories

**GeneralContext.jsx**

import axios from 'axios';

import React, { useEffect, useState } from 'react'

export const GeneralContext = React.createContext();

const GeneralContextProvider = ({children}) => {

const [topNews, setTopNews] = useState([])

const [businessNews, setBusinessNews] = useState([]);

const [technologyNews, setTechnologyNews] = useState([]);

const [politicsNews, setPoliticsNews] = useState([]);

useEffect(() => {

fetchTopNews()

fetchBusinessNews()

fetchPoliticsNews()

fetchTechnologyNews()

}, [])

const fetchTopNews = async () => {

try {

const response = await axios.get("https://newsapi.org/v2/everything?q=popular&apiKey=769d12d8dc2b4b97b3472c8cc02fd5bb");

setTopNews(response.data.articles);

} catch (error) {

console.error(error);

}

}

const fetchBusinessNews = async () => {

try {

const response = await axios.get("https://newsapi.org/v2/everything?q=business&apiKey=769d12d8dc2b4b97b3472c8cc02fd5bb");

setBusinessNews(response.data.articles);

} catch (error) {

console.error(error);

}

}

const fetchPoliticsNews = async () => {

try {

const response = await axios.get("https://newsapi.org/v2/everything?q=politics&apiKey=769d12d8dc2b4b97b3472c8cc02fd5bb");

setPoliticsNews(response.data.articles);

} catch (error) {

console.error(error);

}

}

const fetchTechnologyNews = async () => {

try {

const response = await axios.get("https://newsapi.org/v2/everything?q=technology&apiKey=769d12d8dc2b4b97b3472c8cc02fd5bb");

setTechnologyNews(response.data.articles);

} catch (error) {

console.error(error);

}

}

return (

<GeneralContext.Provider value={{topNews, businessNews, technologyNews, politicsNews}} >{children}</GeneralContext.Provider>

)

}

export default GeneralContextProvider

**CategoryPage.jsx**  
import React, { useEffect, useState } from 'react'

import '../styles/CategoryPage.css'

import axios from 'axios';

import { useNavigate, useParams } from 'react-router-dom';

import { Pagination, Spinner } from 'react-bootstrap';

const CategoryPage = () => {

const navigate = useNavigate();

const [categoryNews, setCategoryNews] = useState([]);

const {id} = useParams();

useEffect(() => {

if (id){

fetchNews(id)

}

}, [window.location.pathname])

const fetchNews = async (id) => {

try {

const response = await axios.get(`https://newsapi.org/v2/everything?q=${id}&apiKey=37306aca596542f0a8402978de3d4224`);

setCategoryNews(response.data.articles);

} catch (error) {

console.error(error);

}

}

const [activePage, setActivePage] = useState(1);

let items = [];

for (let number = 1; number <= (categoryNews.length / 21); number++) {

items.push(

<Pagination.Item key={number} active={number === activePage} onClick={()=> setActivePage(number)} >

{number}

</Pagination.Item>,

);

}

return (

<div className='category-page'>

<div className="category-header">

<div>

<p onClick={()=> navigate("/")} >Home</p>

<p>/</p>

<p>{id}</p>

</div>

<h3>{id}</h3>

</div>

{categoryNews && categoryNews.length > 0 ?

<div className="category-articles">

{categoryNews.map((article, index) => {

return index >= (activePage \* 21) - 21 && index < activePage \* 21 &&

(

<div className="category-article" key={index} onClick={()=> window.open(article.url, '\_blank')}>

<img src={article.urlToImage} alt="article " />

<p>{article.title.slice(0,40)}...</p>

</div>

)})}

</div>

:

<div className="spinners">

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

<Spinner animation="grow" size="sm" />

</div>}

<div className="pagination-container">

<p>Page: </p>

<Pagination>

{items}

</Pagination>

</div>

</div>

)

}

export default CategoryPage

**Home.jsx**

import React from 'react'

import '../styles/Home.css'

import Hero from '../components/Hero'

import TopStories from '../components/TopStories'

import HomeArticles from '../components/HomeArticles'

import NewsLetter from '../components/NewsLetter'

const Home = () => {

return (

<div className="Home">

<Hero />

<div className="home-components">

<TopStories />

<HomeArticles />

</div>

<NewsLetter />

</div>

)

}

export default Home

**NewsPage.jsx**  
import React from 'react'

const NewsPage = () => {

return (

<div>NewsPage</div>

)

}

export default NewsPage

**CategoryPage.css**

.category-page{

padding-top: 14vh;

min-height: 100vh;

}

.category-header div{

display: flex;

padding-left: 1vw;

gap: 5px;

}

.category-header div p{

cursor: pointer;

color: rgb(141, 140, 140);

}

.category-header div p:hover{

color: rgb(31, 31, 31);

}

.category-header h3{

text-align: center;

padding-bottom: 5vh;

font-size: 2.2rem;

font-weight: 600;

}

.category-articles{

padding: 0 5vw;

display: grid;

grid-template-columns: 28% 28% 28%;

justify-content: space-evenly;

row-gap: 2vh;

}

.category-article{

cursor: pointer;

}

.category-article:hover{

transform: scale(1.05);

transition: 0.5s ease-in-out;

}

.category-article img{

width: 100%;

height: 30vh;

border-radius: 0.4rem;

}

.category-article p{

font-size: 0.9rem;

}

.pagination-container{

width: 100%;

display: flex;

align-items: center;

gap: 10px;

justify-content: center;

padding: 5vh;

}

**Footer.css**

footer{

background-color: rgb(35, 35, 35);

}

.footer{

display: flex;

justify-content: space-between;

padding: 10vh 3vw;

}

.footer ul{

display: flex;

flex-direction: column;

gap: 10px;

}

.footer ul li{

color: rgb(133, 133, 133);

list-style: none;

cursor: pointer;

}

.footer ul li:hover{

color: aliceblue;

transform: scaleX(1.1);

transition: 0.5s ease-in-out;

}

footer hr{

color: aliceblue;

}

footer p{

color: aliceblue;

margin: 0;

text-align: center;

padding-bottom: 3vh;

}

**Hero.css**

.Hero-container{

display: grid;

grid-template-columns: 50% 50%;

border-bottom: 3px solid #000;

padding-bottom: 3vh;

margin: 0 2vw;

}

.hero-article-1{

cursor: pointer;

}

.hero-article-1 img{

width: 45vw;

border-radius: 0.3rem;

height: 60vh;

}

.hero-article-1:hover{

transform: scale(1.025);

transition: 0.5s ease-in-out;

}

.hero-article-1 h3{

font-size: 1.2rem;

margin: 0;

margin-top: 0.5rem;

margin-bottom: 0.5rem;

width: 45vw;

}

.hero-article-2{

display: grid;

grid-template-columns: 49% 49%;

gap: 2%;

}

.hero-article-small{

width: 100%;

cursor: pointer;

}

.hero-article-small:hover{

transform: scale(1.03);

transition: 0.5s ease-in-out;

}

.hero-article-small img{

width: 100%;

border-radius: 0.3rem;

}

.hero-article-small p{

font-size: 0.9rem;

}

**Home.css**

.Home{

padding: 15vh 0 0 0;

-ms-overflow-style: none; /\* IE and Edge \*/

scrollbar-width: none;

}

.Home::-webkit-scrollbar {

display: none;

}

.home-components{

display: grid;

grid-template-columns: 23% 70%;

gap: 4%;

}

**HomeArticles.css**

.home-articles-container{

width: 100%;

margin-bottom: 5vh;

margin-right: 2vw;

}

.home-articles-body{

padding-bottom: 4vh;

border-bottom: 3px solid #000;

}

.home-articles-head{

display: flex;

align-items: center;

justify-content: space-between;

padding-bottom: 3vh;

padding-top: 4vh;

}

.home-articles-head p{

margin: 0;

cursor: pointer;

color: #919191;

}

.home-articles-head p:hover{

color: #242424;

transition: color 0.5s ease-in-out;

}

.home-articles{

display: grid;

grid-template-columns: 31% 31% 31%;

gap: 3%;

}

.home-article{

width: 100%;

cursor: pointer;

}

.home-article:hover {

transform: scale(1.05);

transition: transform 0.5s ease-in-out;

}

.home-article img{

width: 100%;

height: 30vh;

border-radius: 0.3rem;

}

.home-article p{

font-size: 0.9rem;

}

Navbar.css

.navbar{

background-color: #fff;

z-index: 999;

position: fixed;

width: 100%;

display: grid;

grid-template-columns: 20% 60% 20%;

align-items: end;

height: 12vh;

border-bottom: 1.5px solid #464646;

/\* margin: 0 20px; \*/

padding: 0 20px;

box-shadow: rgba(99, 99, 99, 0.2) 0px 2px 8px 0px;

}

.navbar\_\_logo h2{

font-family: 'Whisper', cursive;

font-weight: bolder;

font-size: 2.2rem;

color: rgb(236, 127, 32);

cursor: pointer;

}

.navbar\_\_links{

display: flex;

gap: 15px;

justify-content: center;

margin-bottom: 10px;

}

.navbar\_\_links p{

margin: 0;

cursor: pointer;

text-transform: uppercase;

text-decoration: none;

position: relative;

font-size: 0.9rem;

color: #a0a0a0;

}

.navbar\_\_links p:hover{

color: #000;

transform: scale(1.08);

transition: 0.8s ease-in-out;

}

.navbar\_\_links .active{

color: #000;

transform: scale(1.08);

transition: 0.8s ease-in-out;

}

.navbar\_\_search{

display: flex;

justify-content: flex-end;

align-items: center;

margin-bottom: 10px;

}

.navbar\_\_search .search-input{

width: 0px;

border: none;

}

.navbar\_\_search .search-input:focus{

width: 200px;

outline: none;

border-bottom: 2px solid #000;

}

.navbar\_\_search .search-icon{

font-size: 1.2rem;

cursor: pointer;

}

.navbar\_\_search:hover .search-input{

width: 200px;

transition: width 1s ease-in-out;

border-bottom: 1.5px solid #000;

}

**NewsLetter.css**

.newsletter-container{

text-align: center;

height: 70vh;

display: flex;

flex-direction: column;

justify-content: center;

background-color: rgba(234, 232, 230, 0.626);

}

.newsletter-container h2{

font-size: 2.8rem;

font-weight: 600;

}

.newsletter-container h4{

font-size: 1.3rem;

}

.newsletter-container p{

font-size: 0.8rem;

}

.newsletter-form{

margin: 4vh 0;

width: 50%;

margin: 4vh auto;

padding-bottom: 5px;

border-bottom: 2px solid rgb(113, 111, 108);

}

.newsletter-form input{

border: none;

width: 75%;

padding: 3vh 0;

height: 10vh;

background-color: rgba(234, 232, 230, 0);

}

.newsletter-form input:focus{

outline: none;

}

.newsletter-form button{

width: 25%;

height: 10vh;

border-radius: 0.5rem;

border: none;

color: aliceblue;

font-weight: 600;

font-size: 1.1rem;

background: rgb(255,0,164);

background: linear-gradient(126deg, rgb(255, 0, 60) 0%, rgba(255,103,22,1) 53%, rgba(255,134,65,1) 100%);

background-size: 200% 100%;

background-position: 100% 0;

transition: background-position .5s;

}

.newsletter-form button:hover {

background-position: 0 0;

}

**TopStories.css**

.top-stories-container{

margin-left: 2vw;

padding: 4vh 0;

}

.top-stories{

display: flex;

flex-direction: column;

gap: 3vh;

}

.top-story{

display: flex;

gap: 1vw;

align-items: center;

cursor: pointer;

}

.top-story:hover{

transform: scale(1.05);

transition: transform 0.5s ease-in-out;

}

.top-story img{

/\* height: 15vh !important; \*/

width: 150px !important;

border-radius: 0.3rem;

}

.top-story p{

font-size: 0.8rem;

}

.top-stories button{

background-color: #fff;

border: 1px solid rgb(236, 127, 32);

color: rgb(236, 127, 32);

padding: 0.5rem 1rem;

border-radius: 0.5rem;

font-size: 0.9rem;

}

.top-stories button:hover{

background-color: rgb(236, 127, 32);

color: #fff;

transition: background-color 0.5s ease-in-out;

}

**App.js**

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

import './App.css';

import Home from './pages/Home';

import CategoryPage from './pages/CategoryPage';

import NewsPage from './pages/NewsPage';

import NavbarComponent from './components/NavbarComponent';

import Footer from './components/Footer';

function App() {

return (

<div className="App">

<NavbarComponent />

<Routes>

<Route exact path="/" element={<Home/>} />

<Route exact path="/category/:id" element={<CategoryPage/>} />

<Route exact path="/news/:id" element={<NewsPage/>} />

</Routes>

<Footer />

</div>

);

}

export default App;

App.test.js

import { render, screen } from '@testing-library/react';

import App from './App';

test('renders learn react link', () => {

render(<App />);

const linkElement = screen.getByText(/learn react/i);

expect(linkElement).toBeInTheDocument();

});

**index.css**

@import 'bootstrap/dist/css/bootstrap.min.css';

@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700;800;900&family=Whisper&display=swap');

body {

margin: 0;

font-family: 'Poppins', sans-serif;

-webkit-font-smoothing: antialiased;

-moz-osx-font-smoothing: grayscale;

-ms-overflow-style: none; /\* IE and Edge \*/

scrollbar-width: none;

}

body::-webkit-scrollbar {

display: none;

}

code {

font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',

monospace;

}

.spinners{

display: flex;

justify-content: center;

align-items: center;

gap: 10px;

}

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

import reportWebVitals from './reportWebVitals';

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

import GeneralContextProvider from './context/GeneralContext';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

<BrowserRouter>

<GeneralContextProvider>

<App />

</GeneralContextProvider>

</BrowserRouter>

);

// If you want to start measuring performance in your app, pass a function

// to log results (for example: reportWebVitals(console.log))

// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals

reportWebVitals();

**reportWebVitals.js**

const reportWebVitals = onPerfEntry => {

if (onPerfEntry && onPerfEntry instanceof Function) {

import('web-vitals').then(({ getCLS, getFID, getFCP, getLCP, getTTFB }) => {

getCLS(onPerfEntry);

getFID(onPerfEntry);

getFCP(onPerfEntry);

getLCP(onPerfEntry);

getTTFB(onPerfEntry);

});

}

};

export default reportWebVitals;

**setupTests.js**

// jest-dom adds custom jest matchers for asserting on DOM nodes.

// allows you to do things like:

// expect(element).toHaveTextContent(/react/i)

// learn more: https://github.com/testing-library/jest-dom

import '@testing-library/jest-dom';

**package.json**

{

"name": "news-app",

"version": "0.1.0",

"private": true,

"dependencies": {

"@testing-library/jest-dom": "^5.17.0",

"@testing-library/react": "^13.4.0",

"@testing-library/user-event": "^13.5.0",

"axios": "^1.6.2",

"bootstrap": "^5.3.2",

"react": "^18.2.0",

"react-bootstrap": "^2.9.1",

"react-dom": "^18.2.0",

"react-icons": "^4.12.0",

"react-router-dom": "^6.21.0",

"react-scripts": "5.0.1",

"web-vitals": "^2.1.4"

},

"scripts": {

"start": "react-scripts start",

"build": "react-scripts build",

"test": "react-scripts test",

"eject": "react-scripts eject"

},

"eslintConfig": {

"extends": [

"react-app",

"react-app/jest"

]

},

"browserslist": {

"production": [

">0.2%",

"not dead",

"not op\_mini all"

],

"development": [

"last 1 chrome version",

"last 1 firefox version",

"last 1 safari version"

]

}

}