React Lab 2:

A Organisation wants to an application that fetches a of news of the following categories like Finance, sports, business,

• Create New React App

• Create React UI Components that fetch indepedent categories of News.

• Connect your APIs to React UI Components

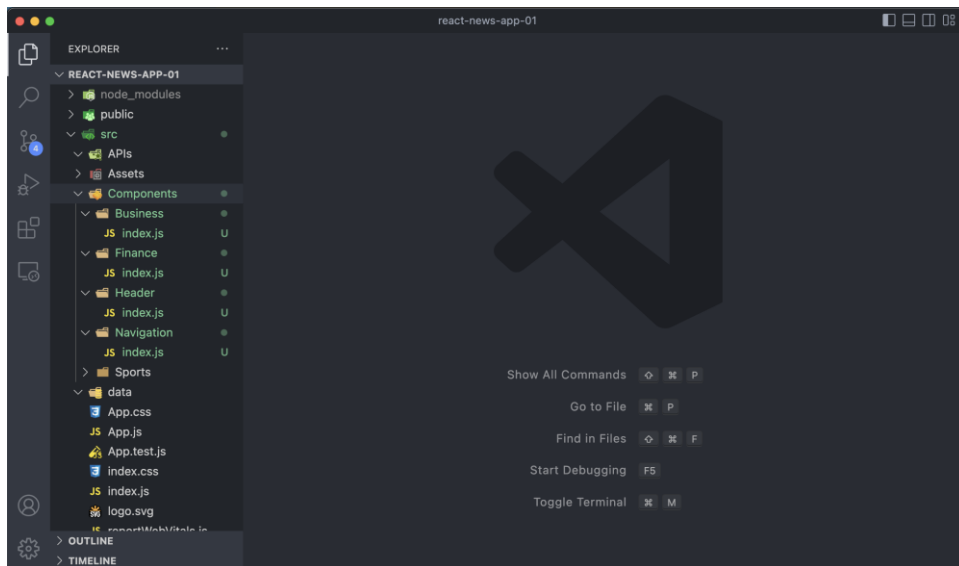As the developer in the team, you have to perform the following tasks:

Solution

Task 1: Create the React App

1. Enter the following command to create the react app

1 2	$ npx create-react-app <application-name>

Task 2: Create the following Components

2. The following components will be needed to create:
- Header Component
- Navigation Component(Menu Component)
- Finance News Component
- Sports News Component
- Business News Component

Task 3: Install React Router Library

3. Enter the following command to create the react app
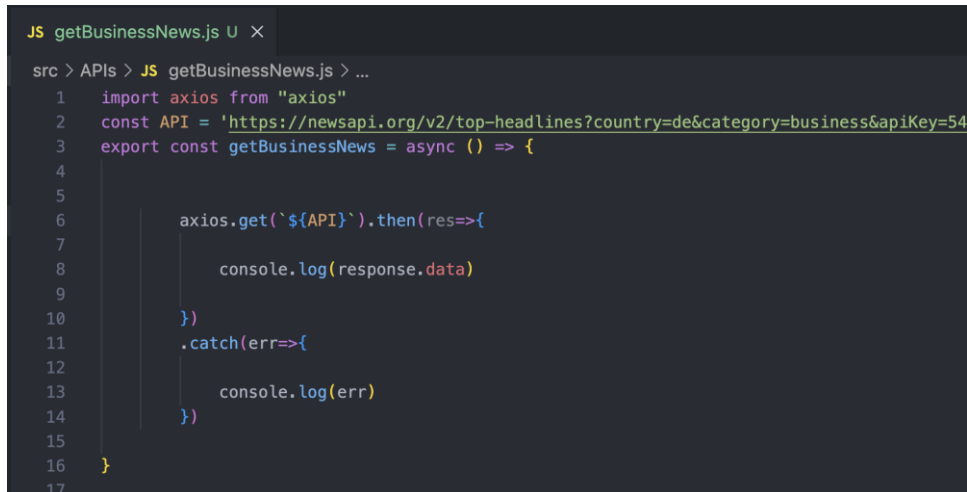
| 1
2	$ npm install react-router-dom

Task 4: Add Navigation Component Code

4. Add the following code to the navigation component


```
JS index.js U ×

src > Components > Navigation > JS index.js > ...
    1    import React from 'react'
    2    import { Link } from 'react-router-dom'
    3
    4    export default function Navigation() {
    5      return (
    6        <div>
    7            <nav class="menu">
    8                <div class="wrapper">
    9                    <ul>
   10                        <Link to="/business"><li>Business News </li></Link>
   11                    </ul>
   12                </div>
   13            </nav>
   14        </div>
   15      )
   16    }
   17
```

Task 5: ADD APIs

5. Create APIs folder inside src folder and add the relevant APIs.
- Every API Call will fetch a single category of News

```js
import axios from "axios"
const API = 'https://newsapi.org/v2/top-headlines?country=de&category=business&apiKey=54
export const getBusinessNews = async () => {



        axios.get(`${API}`).then(res=>{

            console.log(response.data)

        })
        .catch(err=>{

            console.log(err)
        })

    }
```

Task 6: Display API Data in the React Components

6. The Data fetched via the API will now to connected to the React Component

```
JS index.js U ✕

src > Components > Business > JS index.js > ...
    1    import React, { useState, useEffect } from 'react';
    2    import { getBusinessNews } from '../../APIs/getBusinessNews';
    3
    4    function Business() {
    5      const [news, setNews] = useState([]);
    6
    7      useEffect(() => {
    8        async function fetchData() {
    9          const result = await getBusinessNews()
   10          setNews(result.data.articles);
   11        }
   12        fetchData();
   13      }, []);
   14
   15      return (
   16        <ul>
   17          {news.map(article => (
   18            <li key={article.title}>{article.title}</li>
   19          ))}
   20        </ul>
   21      );
   22    }
   23
```
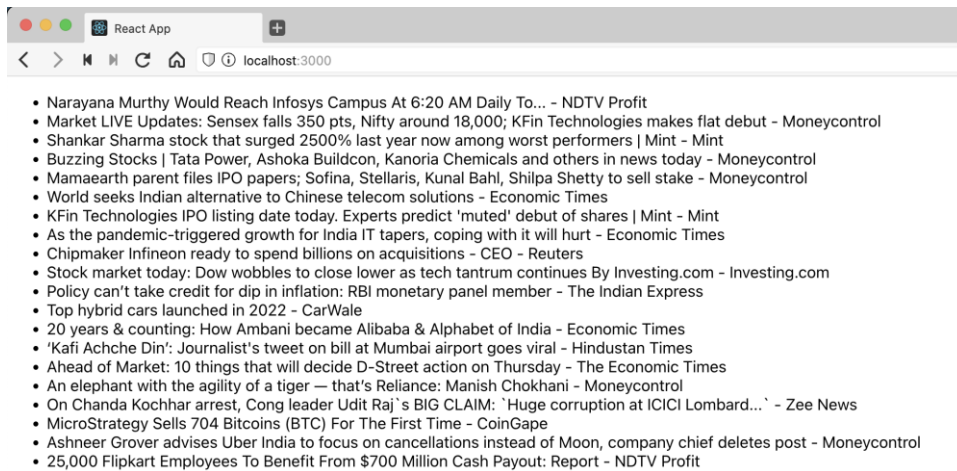
Task 5: Start React Server

5. Create the React Server

1 2	$ npm start

Task 6: Output

6. Open the web browser to check your Output. Your Output should look similar to the screenshot below(Sample Output for Illustration only)

- Narayana Murthy Would Reach Infosys Campus At 6:20 AM Daily To... – NDTV Profit
- Market LIVE Updates: Sensex falls 350 pts, Nifty around 18,000; KFin Technologies makes flat debut – Moneycontrol
- Shankar Sharma stock that surged 2500% last year now among worst performers | Mint – Mint
- Buzzing Stocks | Tata Power, Ashoka Buildcon, Kanoria Chemicals and others in news today – Moneycontrol
- Mamaearth parent files IPO papers; Sofina, Stellaris, Kunal Bahl, Shilpa Shetty to sell stake – Moneycontrol
- World seeks Indian alternative to Chinese telecom solutions – Economic Times
- KFin Technologies IPO listing date today. Experts predict 'muted' debut of shares | Mint – Mint
- As the pandemic-triggered growth for India IT tapers, coping with it will hurt – Economic Times
- Chipmaker Infineon ready to spend billions on acquisitions – CEO – Reuters
- Stock market today: Dow wobbles to close lower as tech tantrum continues By Investing.com – Investing.com
- Policy can't take credit for dip in inflation: RBI monetary panel member – The Indian Express
- Top hybrid cars launched in 2022 – CarWale
- 20 years & counting: How Ambani became Alibaba & Alphabet of India – Economic Times
- 'Kafi Achche Din': Journalist's tweet on bill at Mumbai airport goes viral – Hindustan Times
- Ahead of Market: 10 things that will decide D-Street action on Thursday – The Economic Times
- An elephant with the agility of a tiger — that's Reliance: Manish Chokhani – Moneycontrol
- On Chanda Kochhar arrest, Cong leader Udit Raj`s BIG CLAIM: `Huge corruption at ICICI Lombard...` – Zee News
- MicroStrategy Sells 704 Bitcoins (BTC) For The First Time – CoinGape
- Ashneer Grover advises Uber India to focus on cancellations instead of Moon, company chief deletes post – Moneycontrol
- 25,000 Flipkart Employees To Benefit From $700 Million Cash Payout: Report – NDTV Profit

Task 7: Conclusion

5. Time to discuss the Output

- Discuss the Solution with your Teammates, Trainers and Mentors.

- Is there anything where you can improve?

- Get Feedback on the Ouput.