

Packages to install

- react
- react-router-dom
- express
- cors
- axios

Dependencies in files

NewsPage.js file (front-end webpage controller)
React, useState

Main app.js file
BrowserRouter as Router, Route, Routes from react-router-dom

Back-end server file
require cors
require axios
require express

Programmatically request data from the microservice

Send an HTTP GET request via fetch
method - POST
headers - content type and application/JSON
body content JSON string
await response

Example call:

```
const handleSearch = async () => {  
  
  try {  
    console.log('Sending search request to the backend...');  
  
    const response = await fetch('http://localhost:8000/customEndpoint', {  
      method: 'POST',  
      headers: {  
        'Content-Type': 'application/json',  
      },  
      body: JSON.stringify({ message: 'Hello from the frontend!' }),  
    });  
    if (!response.ok) {  
      throw new Error(`HTTP error! Status: ${response.status}`);  
    }  
    console.log('Received response from the backend');  
    const data = await response.json();  
  }  
}
```

Please note, calls to console messages are to verify the server is receiving messages

Programmatically receive the data

On successful response, open new tab with information received from the back-end

Example call:

```
if (data.success) {  
  console.log('Microservice response indicates success');  
  // Open tab on successful response
```

```
window.open(`https://www.nasdaq.com/market-ctivity/stocks/${searchTerm}`, '_blank');
```

