import React from 'react';

import FwdData from './stocks';

export default function Display() {

return (

<div>

<h1>Display Stock Data</h1>

<FwdData />

</div>

);

}

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import React from 'react';

interface StockData {

'Meta Data': {

'1. Information': string;

'2. Symbol': string;

'3. Last Refreshed': string;

'4. Output Size': string;

'5. Time Zone': string;

};

'Time Series (Daily)': {

[date: string]: {

'1. open': string;

'2. high': string;

'3. low': string;

'4. close': string;

'5. volume': string;

};

};

}

async function getData() {

// Calculate the date for one month ago

const today = new Date();

const oneMonthAgo = new Date(today);

oneMonthAgo.setMonth(oneMonthAgo.getMonth() - 1);

const formattedDate = `${oneMonthAgo.getFullYear()}-${(oneMonthAgo.getMonth() + 1)

.toString()

.padStart(2, '0')}-${oneMonthAgo.getDate().toString().padStart(2, '0')}`;

const response = await fetch(`https://www.alphavantage.co/query?function=TIME\_SERIES\_DAILY&symbol=AAPL&outputsize=compact&apikey=6GGYG3DU8XAEGHIC&datatype=json`);

const data = await response.json();

console.log('Data fetched successfully:', data);

const stockData: StockData = data;

const timeSeries = stockData['Time Series (Daily)'];

const stockArray: {

date: string;

open: string;

high: string;

low: string;

close: string;

volume: string;

}[] = [];

for (const date in timeSeries) {

if (Object.prototype.hasOwnProperty.call(timeSeries, date) && date >= formattedDate) {

const data = timeSeries[date];

const stockObject = {

date,

open: data['1. open'],

high: data['2. high'],

low: data['3. low'],

close: data['4. close'],

volume: data['5. volume']

};

stockArray.push(stockObject);

}

}

return stockArray;

}

async function FwdData() {

const stockData = await getData();

console.log('Stock data:', stockData);

return (

<div>

Imported data

{stockData.map((stock, index) => (

<div key={index}>

<p>Date: {stock.date}</p>

<p>Open: {stock.open}</p>

<p>High: {stock.high}</p>

<p>Low: {stock.low}</p>

<p>Close: {stock.close}</p>

<p>Volume: {stock.volume}</p>

</div>

))}

</div>

);

}

export default FwdData;