Currency Converter API

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HTML

```html
<span>
  <p>B</p>
  <table><td> <!-- <input id="fromAmount" type="text"> --></td>
  <select id="cryptocurrency">
      <option value="BTC"> Bitcoin (BTC) </option>
      <option value="ETH"> Ethereum (ETH) </option>
      <option value="XRP"> Ripple (XRP) </option>
      <option value="ETC"> Ethereum Classic (ETC) </option>
      <option value="LTC"> Litecoin (LTC) </option>
      <option value="ADA"> Cardano (ADA) </option>
      <option value="IOTA"> IOTA </option>
      <option value="STEEM"> STEEM </option>
      <option value="DOGE"> Dogecoin (DOGE) </option>
      <option value="ENG"> Enigma (ENG) </option>
      <option value="MKR"> Maker (MKR) </option>
      <option value="DAI"> DAI (pegged-USD) </option>
  </select>
  <p>FR:</p>
</table>
</span>
<input type="number" name="crypto" class="crypto" placeholder="0.00" step="0.01"/>
```

```html
<div><!-- TradingView Widget BEGIN -->
  <div class="tradingview-widget-container">
    <div id="tv-medium-widget"></div>
    <div class="tradingview-widget-copyright"><a href="https://www.tradingview.com/symbols/COINBASE-BTCUSD/"
    <script type="text/javascript" src="https://s3.tradingview.com/tv.js"></script>
    <script type="text/javascript">
    new TradingView.MediumWidget(
    {
    "container_id": "tv-medium-widget",
    "symbols": [
      "COINBASE:BTCUSD|1d",
      "COINBASE:ETHUSD|1d",
      "BINANCE:XRPUSD|1d"
    ],
    "greyText": "Quotes by",
    "gridLineColor": "#e9e9ea",
    "fontColor": "#83888D",
    "underLineColor": "rgba(147, 196, 125, 1)",
    "trendLineColor": "rgba(0, 255, 0, 1)",
    "width": "1500px",
    "height": "400px",
    "locale": "en"
    }
    );
    </script>
  </div>
  <!-- TradingView Widget END --></div>
<ul id="services">
  <li>
    <h3>BTC</h3>
```

CSS

```css
#background{
  min-height:400px;
  background:url('../img/background.jpg') no-repeat 0 -400px;
  text-align:center;
  color: #ffffff;
}
```

```css
footer{
  left: 0;
  bottom: 0;
  width: 100%;
  padding-bottom: 10px;
  background-color: blue;
  color: white;
  text-align: center;
}
```

```css
ul
  display: flex;
}
```

```css
header{
  background: #35424a;
  color: #ffffff;
  padding-top:30px;
  min-height:70px;
  border-bottom: blue 6px solid;
}
```

```css
body{
  font: 15px/1.5 'Ubuntu', sans-serif;
  padding:0;
  margin:0;
  background-color: lightblue;
}
```

Javascript:
Index/fiat page buttons

```javascript
function rubFunction() {
    document.getElementById("rubbutton").innerHTML =
    "Faced a financial crisis between 2014-2017 concerning the government's manipulation of the inflation and interest rates.";
}

function vefFunction() {
    document.getElementById("vefbutton").innerHTML =
    "Meme, joke currency. Inflation sent the currency into worthlessness. Maduro attemps to use a cryptocurrency called the Petro.";
}
```

Javascript Promise API

```javascript
const bitcoinField = document.querySelector(".bitcoin");
const dollarsField = document.querySelector(".dollars");

document.querySelector(".convertButton").addEventListener("click", moneyConvert);
bitcoinField.addEventListener("input", moneyConvert);


function moneyConvert()
{
    const basecurrency = document.getElementById("basecurrency").value;
    const endpoint = 'https://api.cryptonator.com/api/ticker/' + basecurrency + '-usd';


    fetch(endpoint)
        .then( response => response.json())
        .then(data =>
            {

            const bitcoinAmount = data.ticker.price;
            const bitcoin = bitcoinField.value;
            const dollars = (bitcoin * bitcoinAmount).toFixed(2);
             dollarsField.value = dollars;

            });

}
```

Async/Await Javascript Method

```javascript
let moneyConvert = async function () {
    const cryptocurrency = document.getElementById("cryptocurrency").value;
    const fiatcurrency = document.getElementById("fiatcurrency").value;
    /* const endpoint = 'https://api.cryptonator.com/api/ticker/' + cryptocurrency + '-' + fiatcurrency; */
    /* const endpoint = 'https://min-api.cryptocompare.com/data/price?fsym=' + cryptocurrency + '&tsyms=' + fiatcurrency; */
    const endpoint = 'https://cors.io/?https://chasing-coins.com/api/v1/convert/' + cryptocurrency + '/' + fiatcurrency;

    try {
        const response = await fetch(endpoint);
        data = (await response.json());
        updateContent();
    } catch (err) {
        console.log('Something went wrong. :(');
        console.log(err);
    }
}
```

Javascript: Currency Conversion function/formula

```javascript
const cryptoField = document.querySelector(".crypto");
const fiatField = document.querySelector(".fiat");

let updateContent = function () {
    console.log(data);

    const cryptoPrice = data.result;
    const cryptoQuantity = cryptoField.value;
    const fiat = (cryptoQuantity * cryptoPrice).toFixed(2);
    fiatField.value = fiat;
}
document.querySelector(".convertButton").addEventListener("click", moneyConvert);
cryptoField.addEventListener("input", moneyConvert);
```

Additional Resources

- Stackoverflow

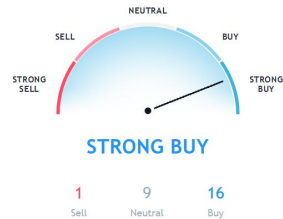- CORS Cross origin resource sharing proxy server

- Tradingview external Javascript Widget

Technical Analysis Widget

The Technical Analysis Widget is an advanced tool that displays ratings based on technical indicators. Our beautifully designed gauge lets you see the summary based on all indicators at a quick glance. You no longer have to apply multiple indicators to analyze a financial instrument since our widget does that for you. On top of that, all ratings are shown in real time.

Get Widget

The Problem:
No 'Access-Control-Allow-Origin' header is present on the requested resource. Origin 'http://internet.derp' is therefore not allowed access.

The Solution:
A CORS proxy!

$.getJSON('https://blockchain.info/stats?format=json',function(){})

becomes ..

$.getJSON('**http://cors.io/?**https://blockchain.info/stats?format=json',function(){})

send hatemail to @deanpierce

Thank you for following my front-end web presentation on cryptocurrencies.