

Currency Converter Backend Documentation

This is a backend server created using Node.js and Express.js framework. The server listens on port 3000 and has several endpoints that can be accessed via HTTP GET requests. The point is to use an API to get up-to-date information about different currencies.

API KEY

TgtZegAzNsk9hjhvQZujttleHvMPb42A

Endpoint

We are using the Currency API to get information of current currencies that we are interested in.

API Endpoints: /convert

`http://api.currencyconvert/data/convert?amount=${amount}&from=${from}&to=${to}&appid=${API_KEY}`

/// from and to are the name of the currencies (e.g. USD, GBP)

/// amount the the value of currency 1 (from)

result: 80.35

/// 100 dollars of USD is equivalent to 80.35 of GBP

The user will select the From (the currency that is being converted from) and To (the currency that is being converted to). The API Key will just be the key we found above.

Returns a simple message: "The Currency Converter". This endpoint can be used to check if the server is running properly.

Example Request:

GET `http://localhost:3000/`

Example Response:

The Currency Converter

If the server is connected successfully to the frontend, this response will show up.

Dependencies

What are the dependencies for this webpage? (Express, request, http, etc...)

There will be use of HTTP, CSS, Javascript for frontend development. On the backend, we will be using Express (and Node.js) to listen to port 3000. The backend server will respond to the request by sending necessary information (the current currency corresponding to the currency chosen).

Running the server

What command do we do to run the server? What happens when we run the server?

```
npm init -y  
npm install express  
cd "C:\the directory\  
node script.js
```

The first two commands are to download the express. The server will start running and listening to localhost:3000.