# Tasks for UI Internship Candidates:

# Currency Converter

A currency converter is used to convert an amount in one currency to its corresponding value in another currency using their current exchange rate, for example it can be used to calculate the value of 100 US Dollars in Euros. Current exchange rates are usually provided by banks and other financial service providers.

## Requirements:

- User can enter up to 6 digits to represent the amount to convert in a source input field

- User can view a sorted list of available currencies and select the currency to convert from in a source drop-down list

- User can view a list of available currencies and select the currency to convert to in a destination drop-down list

- User views the value (rounded to two decimal places) of the source amount converted to the destination currency in a single output field as soon as either the input value, the source currency, or the destination currency is changed.

- User must be alerted if the input is not a number

Example project: **https://acodedoer.github.io/currency-converter/**

## Data source:

The following JSON can be used as a Data Source:

{

"exchangeRates": [

{

"code": "USD",

"rate": 1

},

{

"code": "EUR",

"rate": 0.8

},

{

"code": "GBP",

"rate": 0.71

},

{

"code": "MDL",

"rate": 0.05

}

]

}

Notes:

\*The rate value for each currency is the equivalent represented in USD

## **Important**

After you’re done with the task you have to create a **zip** **archive** with the project and attach it in a reply to the email you’ve received.

## Notes:

The task can be solved with any library or framework JS (like Angular or ReactJS), or you can even implement only in JavaScript without any external libraries – any implementation is accepted.

Links:

Editor/IDE: <https://code.visualstudio.com>

NodeJS: <https://nodejs.org/en/>

ReactJS: <https://reactjs.org>

Angular: <https://angular.io>

Yarn: <https://yarnpkg.com>

Npm: <https://www.npmjs.com>

## Good luck!