



Emotional  
intelligence

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# REALEYES HOMEWORK

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Role: Web Application Developer

# Exercise 1:

Build a currency exchange JavaScript web application. Client side - JavaScript ES6 or ES5, server side - node.js. Supported browsers IE9+, latest Chrome, FF. Exchange rates should be retrieved from the xml feed at <http://www.ecb.europa.eu/stats/eurofxref/eurofxref-hist-90d.xml> and store currency rates in an in-memory data-structure. Build a web interface that provides

- a) Exchange facility between two arbitrary currencies using the latest rate
- b) Make sure when using the exchange facility there is no page reload and currency is computed asynchronous AJAX calls
- c) Historical data presentation for any selected currency using Rickshaw or with any other client side charting component with similar functionalities  
(<http://code.shutterstock.com/rickshaw/>)
- d) Make the historical currency representation interactive like in this example  
(<http://code.shutterstock.com/rickshaw/examples/lines.html>).

It's possible that you might have some errors/problems with Rickshaw. In this case it's also a part of the test to solve these problems.