

Goal

Design a currency conversion app using PHP and a publicly available API.

Recommended Procedure:

1. Make sure you have your **lamp.cse.fau.edu** server space set up. *Please note that you **must** have a server setup for your PHP code to work.*
2. Download the **starter code (currency.php)**¹ from Canvas, upload it to your area on the **lamp.cse.fau.edu** server, run it from a browser, and ensure that you understand it.
 - It is a very simple, but nevertheless functional, script for currency conversion.
 - It uses the **Yahoo! Finance API** and the **Yahoo! Query Language (YQL)**. You can learn more about them from the links below:
 - <https://developer.yahoo.com/yql/>
 - <https://developer.yahoo.com/yql/guide/two-minute-tutorial.html>
 - http://fe.prod.ydn.yahoo.com/yql/guide/yql_code_tutorials.html
 - It hardcodes the 'from' and 'to' currencies and the amount.
3. **Modify** the starter code in meaningful ways (or start from scratch, if you prefer). You will probably **not** need to change the **currencyConverter** function! For every significant change, upload the file to your area on the **lamp.cse.fau.edu** server and ensure that it works.
4. **Implement the required modifications**, namely:
 - Adding a **form** to **type in the amount** and **select the 'from' and 'to' currencies** (probably from pre-populated drop-down lists).
 - Designing a good-looking **interface** using **CSS and Bootstrap** (your work on Project 3 might come handy here).
5. **Test your app** after every significant change / addition.
6. Once you've reached a point where your app is complete and fully functional in the browser of your choice (Chrome, Firefox, Opera, or Safari), **prepare the final package** (single zip, all that is needed, and nothing else).
7. **Submit the final package** via Canvas.

Minimum requirements:

- Your page should demonstrate a basic understanding of using forms and PHP to produce interactive, "data-driven" web pages.
- The conversion must take place on the server (PHP code), **not** on the client (JavaScript example code).

¹ From: <http://www.idiotinside.com/2015/01/28/create-a-currency-converter-in-php-python-javascript-and-jquery-using-yahoo-currency-api/>

Project 5 – Currency conversion using PHP and a publicly available API

Deliverables

- A single zip file containing all files (.php, .css, .jpg, .js, etc.) associated with your project and your report (see below).
- A brief **report** (2-3 pages) describing any relevant aspect that I cannot tell just by looking at the page files.
 - For example: the editor(s) you used, the browser(s) you tested your page on, how was the PHP learning curve, which tasks were more time consuming, etc.

Please name your file using your FAU username as a filename, e.g., jsmith85.zip.
