

Full Stack Dev- Task 2021

Pre-requisites

- Running webserver that can interpret php 7+
- Database – MySQL preferred
- Latest version of Chrome

Output

- Zip of all files required to run the webapp
- SQL script to setup database – Create schema/table
- Any notes regarding design decisions, setup, config and use of the app

General Notes

- Please don't use back-end frameworks
- If necessary, please leave comments to your thinking
- Use vanilla JS for the front end
- Make any decisions on validation or improvements given the time
- Generate an API key here. <https://www.alphavantage.co/support/#api-key>

Task

Build a small stock application:

- The user is shown an input and a 'Get Price' button. User can enter a stock symbol (i.e., AMZN) into the input and when the button is clicked, an AJAX call:
 - Calls a page on the PHP app which in turn calls Alpha Vantage stock quote API (<https://www.alphavantage.co/documentation>). For example, https://www.alphavantage.co/query?function=GLOBAL_QUOTE&symbol=AMZN&apikey=API_KEY will return the current information for Amazon (AMZN) stock price.
 - Stores the stock quote symbol, high, low and price in a database table and returns all the information to the front end for the user to see.
 - Every quote retrieved is stored in the database.
 - If time allows, display some recent transactions below the form.