

PHP Exercise - v21.0.5

In this exercise you need to create a PHP application that will have a form with the following fields:

- Company Symbol
- Start Date (YYYY-mm-dd)
- End Date (YYYY-mm-dd)
- Email

The available options for the *Company Symbol* field can be found here:

https://pkgstore.datahub.io/core/nasdaq-listings/nasdaq-listed_json/data/a5bc7580d6176d60ac0b2142ca8d7df6/nasdaq-listed_json.json

After the form submission, the following actions must be done:

1) Validate the form both on client and server side and display the appropriate messages on both cases. Validation rules:

- *Company Symbol*: required, valid symbol
- *Start Date*: required, valid date, less or equal than End Date, less or equal than current date
- *End Date*: required, valid date, greater or equal than Start Date, less or equal than current date
- *Email*: required, valid email

2) Display on screen the historical quotes for the submitted *Company Symbol* in the given date range in table format. Table columns:

Date | Open | High | Low | Close | Volume

Historical data should be retrieved using

“<https://yh-finance.p.rapidapi.com/stock/v3/get-historical-data>” API.

Example:

<https://yh-finance.p.rapidapi.com/stock/v3/get-historical-data?symbol=AMRN®ion=US>

Header Parameters:

- X-RapidAPI-Key: XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
- X-RapidAPI-Host: yh-finance.p.rapidapi.com



Required Parameters:

- symbol

Optional Parameters:

- region

NOTE: Historical data service requires the token *X-RapidAPI-Key* which is provided in the same email with this document.

3) Based on the Historical data retrieved, display on screen a chart of the *Open* and *Close* prices.

4) Send to the submitted *Email* an email message, using as:

- **Subject:** the submitted company's name
 - i.e. for submitted *Company Symbol* = GOOG => Company's Name = Google
- **Body:** *Start Date* and *End Date*
 - i.e. From 2020-01-01 to 2020-01-31

Notes

- The exercise can be developed using plain PHP, but PHP framework (Symfony, Laravel etc) is preferred
- Tests are mandatory part of the exercise
- The user must enter *Start Date* and *End Date* using jQuery UI datepicker or any other plugin/component with similar functionality (<http://jqueryui.com/datepicker/>)
- You can use any chart library like Chart.js (<https://www.chartjs.org/>)
- Keep in mind that we cannot change *"/etc/hosts"* or *"C:\Windows\System32\drivers\etc\hosts"* on our PCs
- Create a GitHub repository and share it with the account: phpinterviews@trading-point.com
- Have fun

Bonus

Any of the following will be considered a bonus but are not required

- Use Docker
- Have 100% testing coverage. Backend and Frontend
- Use Dependency Injection