

Dear Om ji,

With reference to our conversation, you are requested to complete the task of **Senior Software Developer** and find below the requirements.

The following test is meant to assess your skills in JavaScript and PHP. You can share the task within 3 hours once started.

A few things to note before you begin the test:

- There are 2 JS tasks.
- There are 2 PHP tasks
- You will get 5 hours to complete the test. Please start from 10:30 AM today.
- Please provide us with the code sample via a private repo of your preferable version control service.
- For Github our username is “ashokgit”. Please also send us your GitHub username after you are done with the test.
- If you would like, you can also send me a ZIP file with the codes. That will work as well.

Find below the Questions:

Javascript

1. Use any Javascript design pattern to create a simple dom based library(similar to JQuery) which will be able to perform following tasks:
 - a. Change the class name of any dom elements
 - b. Get datasets from dom elements
 - c. Inject new dom element
 - d. Make both ajax and get request
 - e. Get and set values from input box/checkbox/select dropdown
2. Make 3 POST requests at the same time which needs to be resolved all at the same time.
3. Assume we have a **SPAN** element with some texts in it. Create a clipboard copy feature for that **SPAN** without using any library
4. Create a very simple two way binding feature

PHP

2. Use this [link](#) to get XML data and convert those data in more readable JSON format
3. We have an array of IDs and prices. Please create two functions as per the below,

1. One which will return the lists, which have prices greater than a certain threshold that can be dynamic provided by the user.
2. Another function will return the total sum of prices from that filtered list
4. Create/Architect a PHP class which will receive certain defined inputs and connect to database(does not need to connect to db just create a function for connecting DB), class should include helper functions which can be both internal static and external functions and at last class need to provide some output.
5. Create an action controller which will receive POST request from frontend, need to validate the inputs as defined (like if we should get id and value, check if id is number and value is string), catch the errors if any and return the some outputs in JSON format

Best Regards,
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