

# Remote Technical Developer Task (v2.2)

## Description:

Create an application that allows users to enter shipment information and retrieve shipping rates from Printful's API. In order to speed up the process, create a caching mechanism and use it to store API results for faster retrieval when the same shipment information is provided.

## Requirements:

1. Create a class that connects to Printful's Shipping Rate API (<https://www.printful.com/docs/shipping>) and retrieves the list of available shipping options using values submitted by the user.  
API authorization docs: <https://www.printful.com/docs>  
API Key: `77qn9aax-qrrm-idki:lnh0-fm2nhmp0yca7`
2. Create a persistent **file** caching mechanism which implements given interface: <https://github.com/printful/homework-task/blob/main/app/interfaces/CacheInterface.php>
3. API results must be cached using the previously implemented cache.
4. Cache interface must be constructor-injected into the service.
5. Use Guzzle library for API requests.
6. Use Composer for autoloading classes.
7. Write clean, reusable and well formatted code.
8. Avoid using frameworks.
9. Avoid using any other packages except Guzzle, PHPUnit

## Testing scenarios:

Test your application with these scenarios:

1. User enters shipment information:
  - a. Address = **19749 Dearborn St, Chatsworth, CA, 91311, US**
  - b. Shipment items:
    - i. **Item variant id = 2, quantity = 1**
    - ii. **Item variant id = 202, quantity = 5,**
2. User enters shipment information:
  - a. Address = **11025 Westlake Dr, Charlotte, NC, 28273, US**
  - b. Shipment items:
    - i. **Item variant id = 7679, quantity = 1**
    - ii. **Item variant id = 202, quantity = 1**

## Notes:

- API key in authorization header should be base64 encoded (as stated in the API docs)
- We have created a project template for easier testing and setup. You can modify these files or just skip this template and build everything yourself.

Source code: <https://github.com/printful/homework-task>

## Submitting the solution

Solution should be submitted as a ZIP archive.

Do not publish your solution on Github, Gitlab or Bitbucket publicly.