

# Jr Developer Challenge - XK Group

## Introduction

In this test challenge, you will be asked to create a simple online store with four main components: a Product Landing Page, a Product Shipping Page, a Product Checkout Page, and an Order Summary Page or Thank You Page. The purpose of this challenge is to assess your knowledge of HTML, CSS, JavaScript, PHP, and SQL.

## Sidebar: Painting the picture!

Client clicks on our ad, enters the website. First thing he sees will be the Product Landing Page, which will contain buttons that will redirect him (*I guess it was a guy who clicked the ad*) to the Shipping Page. He is impressed and decides to buy the product, enters all the shipping information and is redirected to the Checkout Page, where he will make the purchase. After all his hard work, he'll deserve a nice thank you confirmation - hence, redirected to the Order Summary/Thank You Page.

## Requirements:

To successfully complete this challenge, you will need to have a basic understanding of the following:

- HTML
- CSS (*tips: can also use Bootstrap, Material Design, or other libraries*)
- JavaScript (*also use jQuery, AJAX, or other libraries*)
- PHP (*tips: can also use CodeIgniter, Laravel*)
- SQL (MySQL)

## More requirements:

The online store layout will consist of four main components, each representing a single page:

1. **Product Landing Page:** This page will display a single product and contain sections to properly present the product such as photos, content, and reviews. Use CSS and Bootstrap to make it presentable and responsive to various devices. Use jQuery to make it more user-friendly. Include buttons to redirect the client to the Shipping Page.
2. **Product Shipping Page:** This page will require the client to submit their basic shipping information, including First Name, Last Name, ZIP/Postal Code, Address, Apt/suite, City, State (*must be select box*), Phone Number, and Email Address. All these fields are mandatory. Use JavaScript or its libraries (*tip: use jQuery*) for input validation. Validate phone number field to accept only US phone format (*tip: use RegEx*). Validate email field to accept only correct email format (*tips: use RegEx or jQuery FILTER\_VALIDATE\_EMAIL*). Put error messages under each input field or use modals for error display (*tip: visit*

*W3Schools Modals*). After form submission, handle the data using JavaScript and store it in cookies or browser storage. If this is not possible, create a PHP file and store the data in sessions. Do not store the data in a database.

3. **Product Checkout Page:** This page will require the client to submit their checkout data, including Card Number, Expiration Date: Month/Year, and CVV. All input fields are mandatory. The Card Number and CVV fields must be validated to accept only specific formats. Use AJAX to send the data to a PHP script. On the PHP script, handle the validation errors for each field and return response to the client using JSON. Retrieve shipping data from Web Storage and together with the checkout data, store it in a MySQL database using PHP. Create a simple database with a simple table and use the data above to create table structure.
4. **Order Summary Page or Thank You Page:** After completing the purchase, the client will be redirected to this page to confirm their order.

**Tips:**

- Use screenshots to demonstrate the design of each page.
- Use comments to explain your code.
- Test your code thoroughly before submitting.
- Review this page for inspiration: <https://fitvitalmen.com/>

**I think it's okay :)**

Uh, also, please make it look super cool on mobile!