

Front-end assignment

Purpose

The objective of this assignment is to gauge your technical skills, as well as to give us some talking points for your technical interview. Note that the scope of the assignment is purely fictional. It is in no capacity related to any part of our products and/or business nor will it ever be used commercially or otherwise in any form.

Overview

Your assignment is to develop a frontend page that displays a collection of courses along with their corresponding details. The webpage should offer a visually appealing and user-friendly layout, ensuring that users can easily navigate and access the course information.

Task 1: Component Creation

Create a page that uses a Vue component to represent courses. You can use dummy data from the json provided. The component should include the following features:

- Display the title, description and image of the course.
- Show the number of learners enrolled in the course.
- Display the average rating provided by users for the course.
- Allow clicking on the card to navigate to a detailed view of the course.
- Apply basic styling to the component using Tailwind CSS classes.

Task 2: Styling with Tailwind CSS

Enhance the course card component by applying advanced styling using Tailwind CSS. Pay attention to the following:

- Use Tailwind CSS classes to style the component, including the page layout, typography, and colors.
- Apply appropriate styles to make the card and the whole page visually appealing and easy to read.
- Implement responsive design to ensure the page looks good on different screen sizes.

Task 3: Search Feature

Extend the page with a search feature that allows users to find specific courses based on their titles or descriptions. Implement the following functionalities:

- Add an input field or search icon to the page layout.
- Implement a search functionality that updates the course cards dynamically based on the user's input.
- When the user enters a search query, display only the course cards that match the search criteria, hiding the others.
- Provide visual feedback to indicate the active search and the number of matching results.

Bonus Task!

Integrate webpack into the project to bundle the Vue components and Tailwind CSS. Include the following:

- Set up a webpack configuration that allows bundling Vue 3 components.
 - Configure webpack to process Tailwind CSS and include it in the bundled output.
 - Create a production build script that optimizes and minifies the code for deployment.
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Instructions:

1. For the submission, make sure to create a private repo on Git and invite the following emails as collaborators.
 - kchatzinikolakis@epignosishq.com
 - bspyropoulos@epignosishq.com
2. Make sure to commit your changes as you progress.

Notes:

- It is not mandatory to complete all tasks. Feel free to give it a try and send us your approach.
- Please make sure to include clear instructions on how to run the project in the repository's README file.
- Please note that certain aspects of the description are purposefully vague, take initiative and decide on your own how to proceed.