Pluralsight Code Challenge

Background

Parsing and manipulating data, constructing endpoints to access data, and building javascript web interfaces are three tasks we commonly encounter. In this challenge we present you with a dump of questions that must be parsed and made accessible in a RESTful manner. Our goal is to gain an understanding of your design choices when attacking such problems.

Time

Please feel free to take as much time as you like to complete this challenge. That said, we recommend a turnaround of 3-10 days.

Objective

Parse the data dump and make the data accessible in a structured, RESTful API, and build a javascript-based web front-end to consume that API. Feel free to build the API in any language of your choice, and you may use any javascript library you like to complete the front-end. A back-end data store such as SQLite is not required, but you can use one if you wish.

Requirements

The endpoint(s) should allow an end user to:

1. get a listing of all questions
2. edit a question
3. create a question

While the challenge is designed to be open-ended, the endpoint(s) should allow an end user to apply various operations, such as filtering, sorting and pagination of the data.

Data Summary

This challenge should be accompanied with a csv file. If you did not receive one, please reach out to us. The csv data is tabular, with each column separated by a vertical pipe, '|'. The column headings are 'question', 'answer' and 'distractors'. Each record represents a single multiple choice question. If multiple distractors (wrong answers) exist they are separated by a comma. Below is an example:

question|answer|distractors
What is 7343 6708?|635|688, 7171, 7023

The Final Result

The end result should be runnable and demo-able, and your source code should be available on github. You may either host your application on the internet, or you can send us instructions for running it locally. Following submission and pending review you will be asked to present your solution either in person or via video call, and potentially do some pairing with us to add a new feature to your application. Please feel free to reach out if you have any questions about the data, requirements, or anything else!