Code Kata: Quote of the Day

Overall Objective: Create a simple web service and page to display inspirational quotes.

Requirements:

Back-end

1. Use Laravel 5.0+
   - Must run under PHP 5.6
   - No database or Sqlite if desired

2. Create a configuration file to store an array of quotes.
   - Each quote should have a "text" and "author" property.
   - Populate the file with 40 inspirational quotes (https://www.goodreads.com/quotes/tag/inspirational for example)

3. Create a php class called "Quotes" to manage quotes.
   - The class constructor should accept an array of quotes.
   - The following methods should be implemented on the class:
     - **getQuotes** – Should return the entire array of quotes.
     - **setQuotes(array $quotes)** – Replace the array of quotes.
     - **quotd(Date $date)** – Should accept a Date as the input, and should always return the same quote for a given day within a month.
     - **random()** – Return a random quote from the list of quotes.
     - **search($word)** – Return an array of all quotes where the text includes the passed-in term.

4. Create a simple web service which leverages the Quotes class to return quotes from the config file. Implement three GET routes:
   - **/quotes/quotd** – Quote of the day, always returns the same quote for a given date. The date should default to today's date unless a "d" query string parameter is passed in using the "yyyy-mm-dd" format.
   - **/quotes/random** – Returns a random quote from the list. The user should not see the same quote multiple times in this mode.
   - **/quotes/search** – Return a list of all quotes that include the search term passed in to the "q" query string parameter.

Front-end

1. Use html and a JS framework (or no framework) of your choice.

2. Create a page that can display a quote and an author.
   - Include two buttons: "Quote of the Day", "Random". Clicking each button should invoke the web service and display the resulting quote on the page.

3. Use Laravel to serve this page as the "/" (home) route of the application.