Liquid Thought Interview Assignment – Reactjs & Laravel
Submission Date: 1 week from now.

Instructions and Guidelines:

Please make sure that you have read and understood all requirements before starting the assignment.

Email us if you need us to elaborate more on any of the items.

1. Plagiarism
   a. Please only submit your work. You may use google for assistance, but please do not copy and paste code from somewhere else, we will spot it.
2. External Packages
   a. Feel free to use external packages for the assignment. We will state instances where a package should not be used.
3. Sensitive Information
   a. Please do not submit any API keys, do mention where the API keys should be added in your readme file.
4. Code Submission
   a. All work should be pushed to your own public Github/Bitbucket repo. Make sure to add clear instructions on how to install any dependencies, and most importantly how to get your submission to run locally.
   b. Once you've completed, please send us the link to the repos.
5. After submission
   a. All requested features will first be tested before we look at your code. Please make sure that everything has been completed & tested before submitting. We will not look at the code if one of the features does not work.

Assignment:

1. React App

Write a react e-commerce app that allows a signed-in user to complete a checkout flow and view order history. The app will receive a list of products, register and login a user using the Laravel API that you will build.

You are required to build the following screens (Please add these to a nav):

1. Registration (required fields: full name, email, password)
2. Login (required fields: email, password)
3. Products
   a. Display the following in a responsive grid view: image, name, price.
4. Product Details page
   a. Clicking on any of the products should redirect the user to the product details page.
   b. The product details page should allow the user to add the product to cart.
   c. The user (guest/registered) should be able to update the quantity on the product details page. *(Please add validation to this input)*.
5. Cart page.
   a. A user should be able to view all products that have been added to cart.
   b. A user should be able to remove any of the products that have been added to cart.
   c. A user should be able to click on "Pay now" if they have logged in. All guest users should be redirected to the login screen where they'll either login or register before being redirected to the checkout screen.

   d. Clicking the “Pay now” button should persist the data to the database. Please note that the “Pay Now” button will only be accessible if the user has signed in. If not, please display the “Login to Pay Now” button that will redirect the user to the login screen. After login, redirect the user back to the “Cart screen” to complete payment.

6. Order History.
   a. This page should only be available to logged in users.
   b. Display all products that the user has purchased.

2. Laravel

Write a simple Laravel API that will allow the user to do the following

1. Register (required fields: full name, email, password)
2. Login (required fields email & password)
3. Get products (required fields: image, name, price)
4. Store cart products (for signed-in user)
5. Get cart products (for signed-in user).
6. Get order history (a list of all products that a logged in user has purchased).

MySQL Database

1. Please add migrations for all required tables.
2. Please seed the products table with 20 random products with an image, name and price (assume currency is ZAR).

Notes for both React App and Laravel:

- First priority is that it works. The code must work on all Chrome, Firefox and Safari.
- Separation of the code into components and/or services is advisable.
- The code should be readable and consider whether it is easy to maintain.