Requirements:

1. Using React and CodeIgnitor3 make a single page web application which has the following features:
   1. Name of the website is Majestic Toys and theme is Toy cars
   2. Create a REST API end point which stores the information on available products of Toy cars for Majestic Toys
   3. Store all the data, at least create 10 product line items with the following fields:
      1. Toy car Model
      2. Type of the Toy (electric/mechanical)
      3. Price
      4. Availability
   4. It is a single page application which shows the following:
      1. Show available products similar to a list along with the image of the product (fetch this data from the rest API )
      2. Create a button below the product “Check availability” (fetch availability for the product from the list fetched from the REST API)
      3. Show the availability of the product when check availability is shown
2. Create a new Github account, you must upload codes and commit them at least 5 to 6 times over the entire course of development. This is mandatory, I will provide you with the name to be used for the GitHub account.
3. You must host the REST API on a free cloud instance of your choice. But the REST API should be valid and hosted and retained permanently.
4. Perform automated testing using available tools for Automated testing and produce a documentation for the same in detail for the testing and implementation part

Additional information:

The following **features and technologies** should be implemented:

1. **Client-side framework** – The client part of the application should be implemented using a JavaScript framework such as React or Google Angular. We are using React for this and Code Ignitor 3
2. **Server-side API** – Your client-side application should connect to a server-side API to obtain and save data to a persistent database.

The API should be made using PHP and use a MySQL database for this in the API for storing the data.