# **ReactJS Assignment**

## **Setup**

* Either use the command  
  npm create vite@latest react-assignment -- --template react   
  or  
  npm create vite@latest

to generate react template project for you.

* Install the packages through npm i
* Development process can be started through the command npm run dev
* Make sure your template project is working before you start your solution for this assignment.

## **Instructions**

* Develop an E-commerce Product Listing Page following the attached design mockup.
* Ensure the application is responsive and functions seamlessly across various screen resolutions.
* Use the provided APIs to fetch data
  + Get all products: <https://fakestoreapi.com/products>
  + Get all categories: <https://fakestoreapi.com/products/categories>
* Implement filters as shown in the attached design. Ensure the following filters are functional
  + Category Selection
  + Price Range
  + Rating
  + Search
* Implement clear filters functionality.
* Replicate the design mockup as closely as possible.

## **Coding Guidelines**

* Use functional components and React hooks for state management.
* Follow clean coding practices with meaningful variable names.
* Use a CSS-in-JS solution such as Styled Components, Emotion, or CSS Modules for styling.
* You can use react component library such as [Antd](https://ant.design/docs/react/use-with-vite) (Preferable), [Chakra UI](https://www.chakra-ui.com/docs/get-started/frameworks/vite), [MUI](https://mui.com/material-ui/getting-started/installation/), etc. if you want.
* Creating your own custom components will get you extra points.
* Use of AI assistants (such as ChatGPT, Github Copilot, etc.) is strictly prohibited.

## **Submission Guidelines:**

NOTE: Failure to adhere to Submission Guidelines will render the submission useless as it will not be evaluated.

* Compress your project folder into a .zip file named \_ReactAssignment.zip.
* Do not include the node\_modules folder in the zip file.
* Ensure your code is well-documented and includes setup and execution instructions.
* After uploading your project, you’re required to fill this form. [Click here.](https://forms.office.com/r/33kJPygamC)