**API Collection Overview**

[DownloadPostman API Exported Collection](https://d.pr/f/5kIXmx)

[We have shared with you a Postman API collection titled](https://d.pr/f/5kIXmx) "Interview Endpoints" which can be downloaded and imported into your Postman environment. The collection consists of various endpoints that will facilitate the backend communication for your frontend development. Here's a brief overview of the available APIs:

1. Create Session: Initiate a session for the user. It's crucial to create a session first, as many other endpoints require a session ID. [Please check the screenshot.](https://d.pr/i/N39Bvy)

2. List Products: Retrieve a list of products available on the platform.

3. Search Product: Search for products by name.

4. Add to Cart: Add a specific product to the shopping cart.

Once you have created a session using the "Create Session" endpoint, remember to include the `Session-ID` in the headers for subsequent requests as per the requirements of the respective endpoints.

[Project Preview Link](https://d.pr/i/kZEYNZ)

**Project Name: BetaLimited E-Commerce Platform Frontend Development Task**

Introduction

This task is designed to develop a modern and user-friendly frontend for the BetaLimited e-commerce platform. Candidates are expected to effectively integrate Material-UI components and create a dynamic web application using React.js.

Task Description

Candidates are required to code the given interface design into a web application using React.js and Material-UI libraries. Those who don't have experience with Redux-Saga can use any other alternative state management library.

1. Product Card Component (ProductCard) - [Screenshot](https://d.pr/i/Ch7zZN)

- Create a `ProductCard` component that includes the product image, name, price, and discount rate.

- Each card will have an "Add to Cart" button and be styled using Material-UI.

- Product ratings and the number of reviews should be dynamically displayed using React components.

API: Use the **List Products** endpoint to fetch and display products.

2. Search Bar (SearchBar) - [Screenshot](https://d.pr/i/ORqaWP)

- Integrate a `SearchBar` component for users to search for products by name.

- Search results will be displayed as `ProductCard` components.

- The `QuantityButtons` will allow the quantity of the products to be increased or decreased. If the quantity of a product is '1', it cannot be decreased, but the decrease button will become active when the quantity is increased. [Screenrecord](https://d.pr/v/MIQ6MF)

API: Use the **Search Product** endpoint for product searches

3. Responsive Design

- The design must be compatible with desktop, tablet, and mobile devices.

- A responsive layout will be designed using the Material-UI Grid system.

4. State Management

- Candidates without Redux-Saga experience may use any other alternative state management library.

Delivery

- Project source code should be shared in a tidy GitHub repository.

- The project should be published on one of the free React frontend publishing platforms, such as **Vercel** or **Cloudflare Pages**.

Evaluation Criteria

- Use of Material-UI and React.js.

- Code quality, organization, and reusability.

- Responsive design practices.

- Effective use of Redux-Saga or an alternative state management library.

- Cart functionality and product quantity management.

Deadline

- The assignments were sent to all candidates on Monday, November 20th. **The assignments need to be submitted by Monday, November 27th at the latest.** All candidates who will not be available during this period should inform us about the situation with the assignment.