1. Create a ProductList component for displaying the list of products in a React-Bootstrap table.
2. Display Category Name instead of Category ID in ProductList component.
3. Create a delete button to remove a product in the ProductList component.
4. Use a React-Bootstrap Modal to update product details.
5. Filter products by name using a React-Bootstrap search bar.
6. Create a React-Bootstrap dropdown to filter products by Category. The Categories will be fetched from the API.
7. Create a AddProduct component for adding new produtct.
8. Create a login button and only those who have a user account in the user array can log in to add products and a logout button to sign out of the account in AddProduct component.