GO COMET ASSIGNMENT

NAME: HRITHIK GOWDA S

DATE OF SUBMISSION: 15-04-2023

About GoComet:

GoComet is a technology platform that offers supply chain management solutions to businesses. It provides end-to-end supply chain visibility, optimization, and automation to help businesses streamline their supply chain operations and reduce costs. GoComet's solutions include freight procurement, rate management, shipment tracking, and analytics, among others. The company uses machine learning and AI to help businesses make data-driven decisions and optimize their supply chain processes. It serves businesses in various industries, including manufacturing, e-commerce, and retail.

About me [Hrithik]:

I am a front end developer who is passionate about code and loves to solve problems. I am always keen to learn new technologies and build interesting projects. Well-versed in Python programming language including HTML, JavaScript, CSS, React, Redux etc.

GitHub – https://github.com/HRithIkGowDA/GO-TASK

Netlify - https://hrithik-gocomet-assignment.netlify.app/

Assignment:

I am excited to present my Myntra products page project developed as an assignment for GoComet. The project aims to provide a seamless online shopping experience to users by implementing features similar to those found on the popular e-commerce platform, Myntra. The project includes an extensive range of filters such as gender, price, brand, and colour, which allows users to quickly narrow down their search and find the products they're looking for. Additionally, the project includes sorting features such as low to high, high to low, and discount, providing users with a flexible shopping experience. The search feature further enhances the project by enabling users to find specific products they are looking for. Users can also view a list of images for each product, zoom in on the image, add products to their wish list, and select the size they want to add to their bag. The project also includes a bag feature, which allows users to add and remove products from their bag as needed. **Overall, the Myntra products page project demonstrates my ability to build a robust e-commerce platform that provides an exceptional shopping experience to users.**

Details of the project:

Tech stack used**:** React js, Redux, HTML, vanilla CSS, JavaScript.

React js - A JavaScript library for building user interfaces.

Redux - A predictable state container for JavaScript apps.

HTML - A mark-up language used to create web pages.

CSS - A style sheet language used for describing the presentation of a document written in HTML.

JavaScript - A high-level, interpreted programming language used to make web pages interactive.

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Functionalities of the project:

Filters [gender, price, colour, brand, discount], Searching, sorting [customer rating, discount, high to low, low to high], wish list, bag, similar products feature. Images can we viewed and has zoom functionality. Product has size button using which user can select and add them to their respective bag.

1. **Filters:**
    i. I have created various filter components that displays the available filters [as mentioned above].
    ii. Used state management to keep track of the currently selected filters.
    iii. When a filter is selected, update the state and trigger a re-render of the product list with the filtered results.

b. **Price filter**:

    i. Created a filter component that includes a price range selector, such as a slider or dropdown.
    ii. Used state management to keep track of the selected price range.
    iii. When the price range is selected, update the state and trigger a re-render of the product list with the filtered results.

c. **Colour filter:**

    i. Created a filter component that displays the available colors.
    ii. Used state management to keep track of the selected color(s).
    iii. When a color is selected, update the state and trigger a re-render of the product list with the filtered results.

d. **Brand filter: [HIGHLIGHTED FEATURE]**

    i. Created a filter component that displays the available brands.
    ii. Used state management to keep track of the selected brand(s).
    iii. When a brand is selected, update the state and trigger a re-render of the product list with the filtered results.

e. **Gender filter: [HIGHLIGHTED FEATURE]**

    i. Created a filter component that displays the available genders.
    ii. Used state management to keep track of the selected gender(s).
    iii. When a gender is selected, update the state and trigger a re-render of the product list with the filtered results.

f. **Discount filter: [HIGHLIGHTED FEATURE]**

    i. Created a discount filter component that displays the available discount options.
    ii. Used state management to keep track of the currently selected discount option.
    iii. When a discount option is selected, update the state and trigger a re-render of the product list with the filtered results.

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2. **Searching:**

   a. Created a search component that takes user input and searches the product list.
   b. Used state management to keep track of the search term and the filtered results.
   c. When the search term changes, update the state and trigger a re-render of the product list with the filtered results.

3. **Sorting:**

   a. Created a sorting component that displays the available sorting options.
   b. Use state management to keep track of the currently selected sorting option.
   c. When a sorting option is selected, update the state and trigger a re-render of the product list with the sorted results.
   d. Types of sorting I have implemented in this project are:
   Price Low to High, Price High to Low, Customer Rating and Discount.

4. **Wishlist:**

   a. Created a wish list component that displays the user's saved items.
   b. Used state management to keep track of the saved items.
   c. When an item is added or removed from the wish list, update the state and trigger a re-render of the wish list component.

5. **Bag:**

   a. Created a bag component that displays the added items.
   b. Used state management to keep track of the items in the bag.
   c. When an item is added or removed from the bag, update the state and trigger a re-render of the bag component.
   d. Display the bag component as a popover or modal that can be opened and closed.
   e. User can add and remove products from the bag.

6. **Similarity: [HIGHLIGHTED FEATURE]**

   a. Retrieve the current product's data from database.
   b. Use the current product's data to query for similar products based on shared attributes, such as category, brand, or style.
   c. Display the similar products in a component, such as a carousel or grid.
   d. Add click events to the similar products that navigate to their respective product pages.

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7. **Images:**

    a. Add a click event to the image component that opens a modal or popover with the zoomed image.
    b. User will see set of images of a single product. Images can be zoomed individually

8. **Size selectivity:**

    a. Created a size selector component that displays the available sizes.
    b. Used state management to keep track of the selected size and the items in the bag.
    c. When a size is selected, update the state and add the selected item to the bag.

9. **Multiple products adding functionality:**

    a. Created a quantity selector component that allows the user to select the quantity of the item they want to add to the bag.
    b. Used state management to keep track of the selected quantity and the items in the bag.
    c. When a quantity is selected, update the state and add the selected item and quantity to the bag.

10. **Persisting the bag.**

    a. Used browser storage, such as local storage or session storage, to store the items in the bag.
    b. When the user adds or removes an item from the bag, update the storage.
    c. When the user navigates to a new product page or refreshes the page, retrieve the stored items from the storage and display them in the bag component.

Creative features:

Some of the key features include brand filter, gender filter, and similarity products. The brand filter allows users to filter products by brand, making it easier to find their preferred brand quickly. The gender filter helps users to narrow down their search by gender, making it more efficient to find the desired product. The similarity products feature suggests similar products to users based on their browsing history or search keywords. To implement these features, I used a combination of React, Redux, and various libraries. User testing feedback has been positive, with users finding it easier to navigate and find the desired products. Overall, these features have helped to improve the user experience and meet the project's goals.

I request the GoComet team to explore these features and judge my capabilities and level of creativity.

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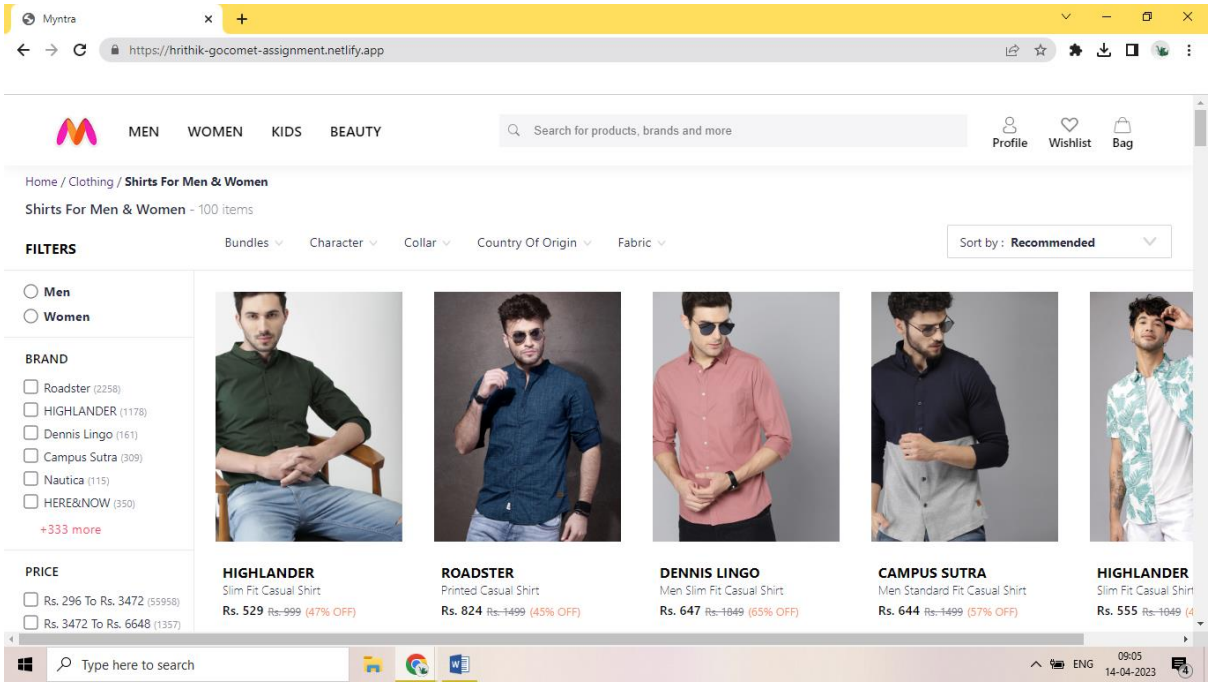
Project snapshots:

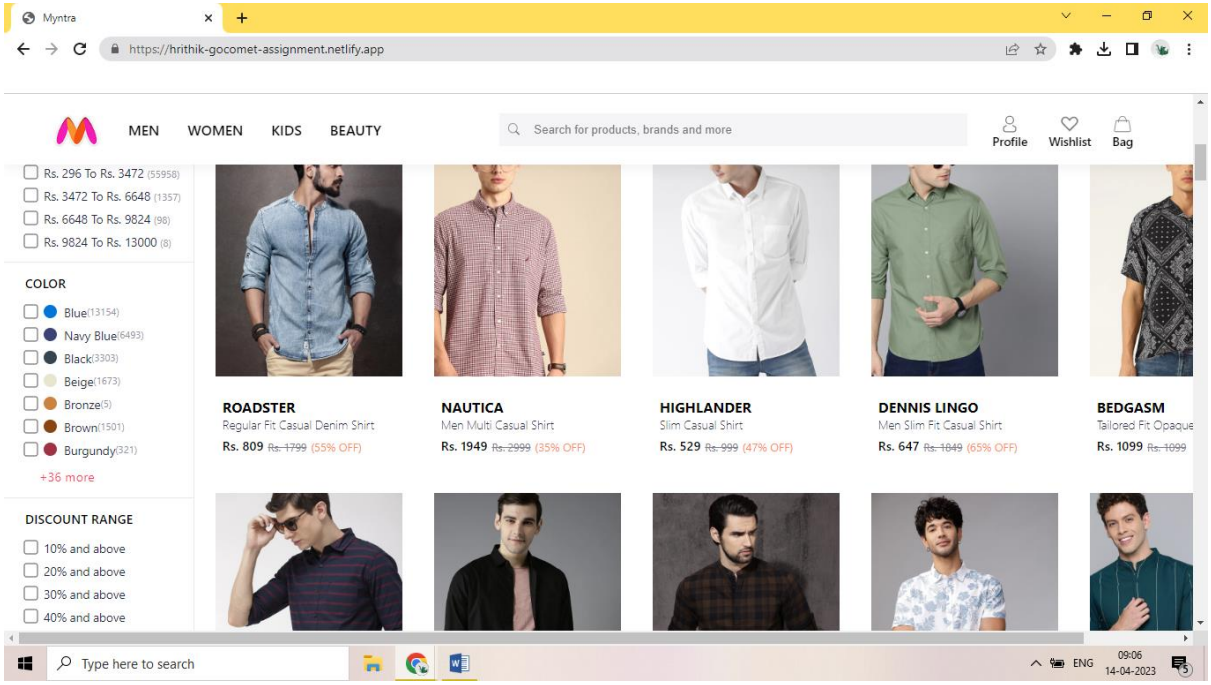
Here you'll find all the features that I have implemented.

NOTE: Videos of project demonstration and code explanation will be attached separately.

project demo - https://drive.google.com/file/d/1Yw7hSmm2f9btHbjspbhVSfirUpPoP5mo/view
code explanation - https://drive.google.com/file/d/1nf5HgJjuxoCtr7NVjLpPiqh1FuZtPWNc/view



IMG1: HOMEPAGE OF THE PROJECT.FILTERS ARE VISIBLE IN THE SIDEBAR.



IMG2: OTHER FILTERS VISIBLE IN THE SIDEBAR WITH SEARCHBAR ON THE TOP

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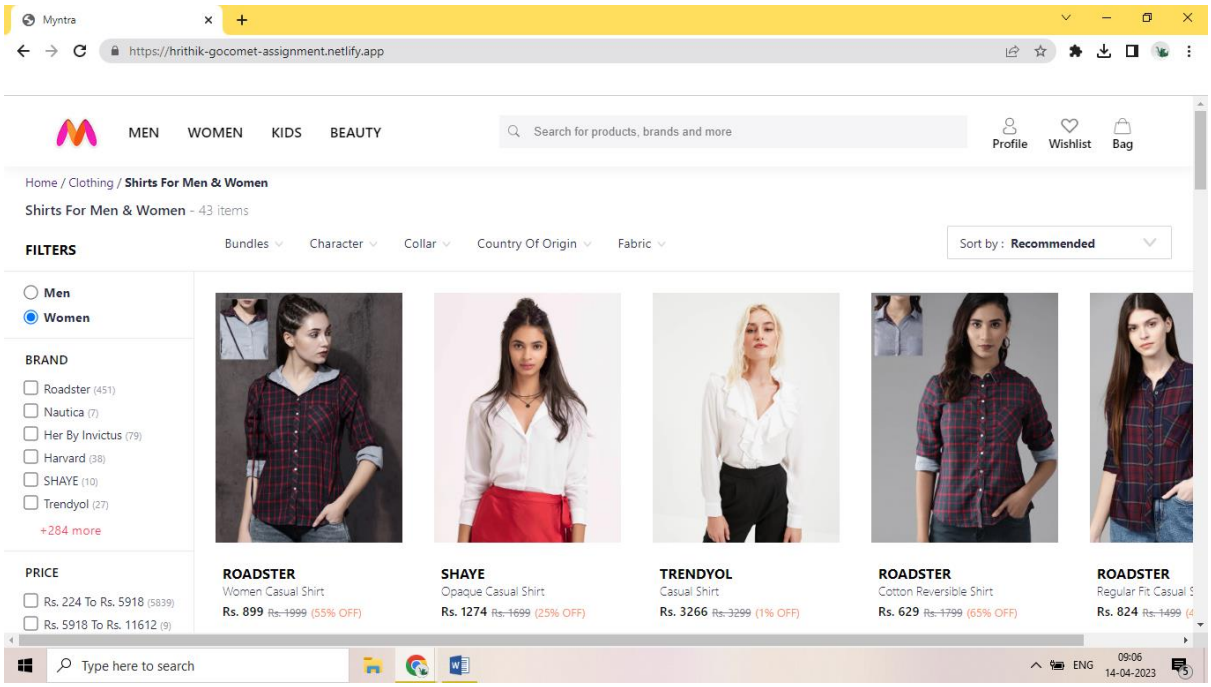
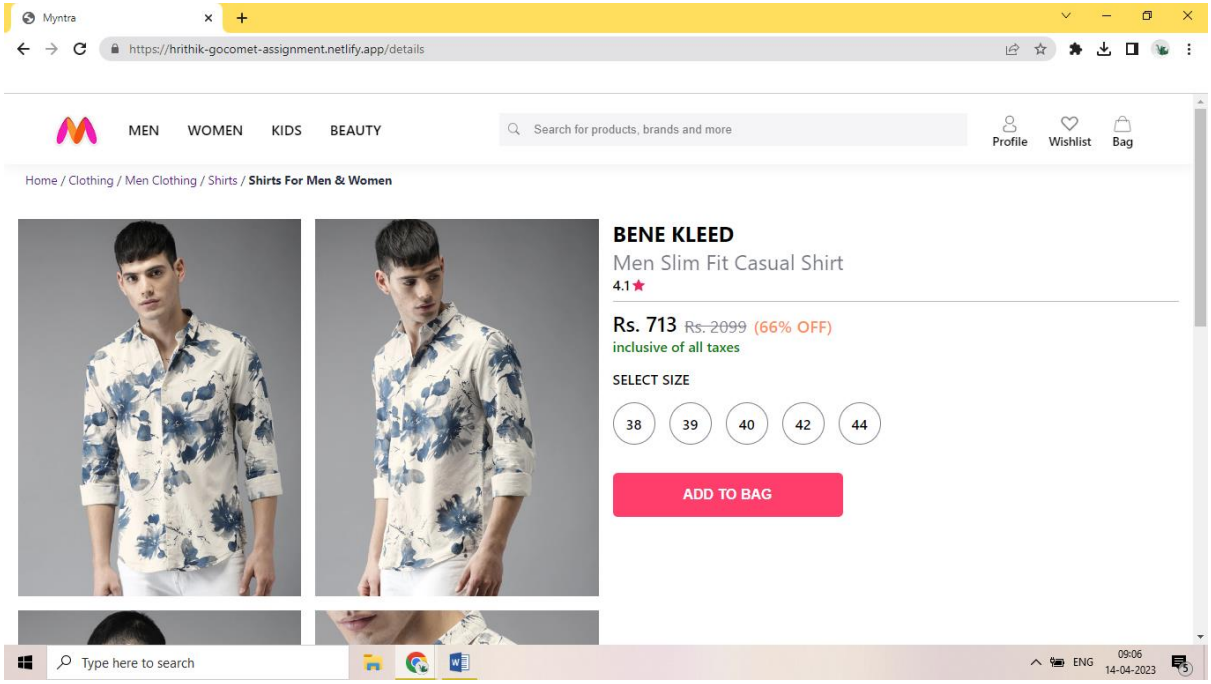


IMG3: WOMEN FILTER FUNCTIONALITY



IMG4: EACH PRODUCT CAN BE VIEWED, ZOOMED, USER CAN SELECT SIZE AND ADD IT TO THEIR BAG.

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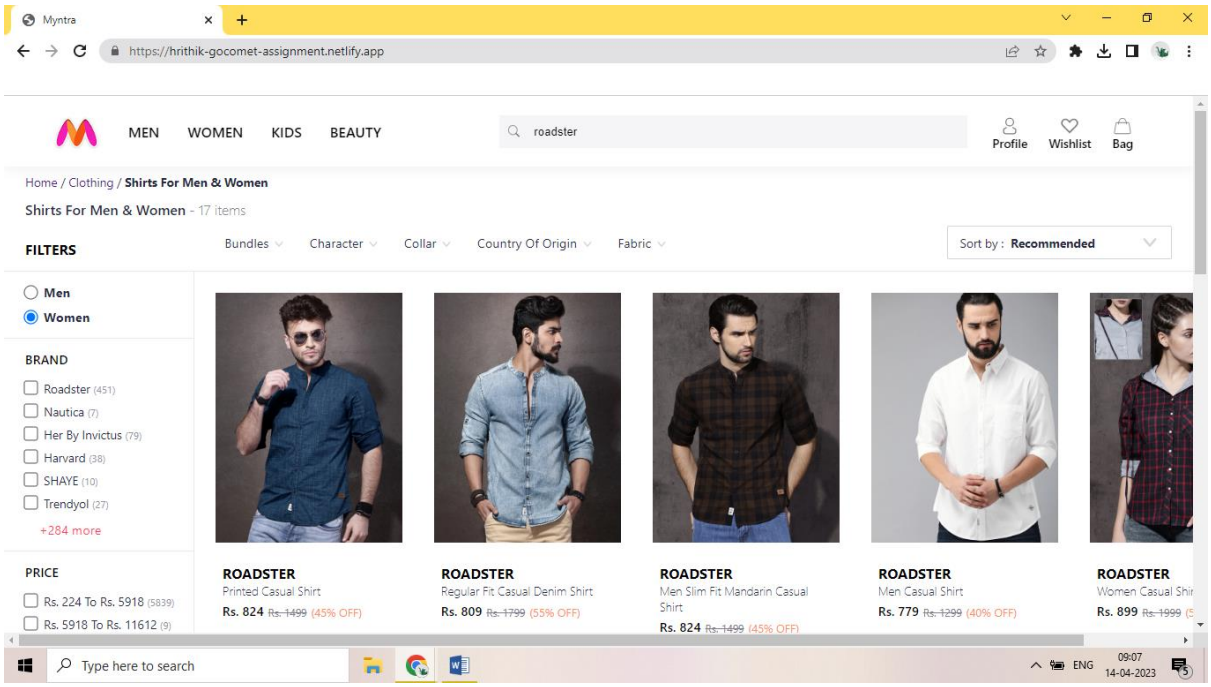
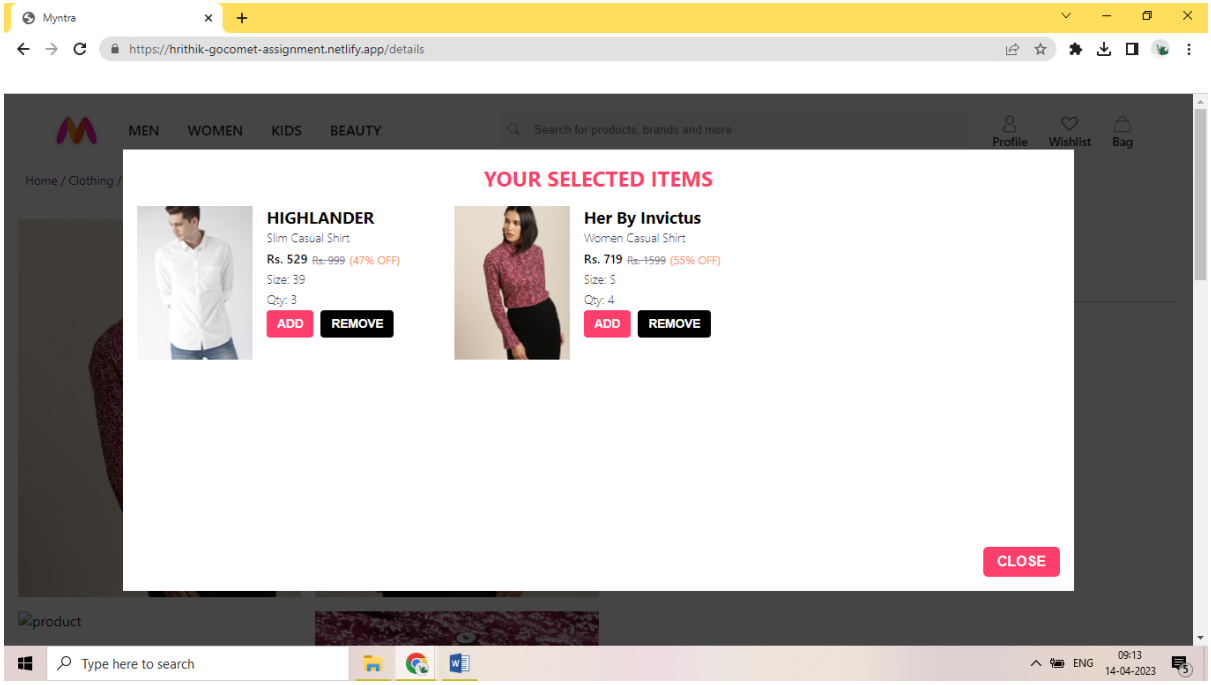


IMG5: SEARCHBAR FUNCTIONALITY. EXAMPLE "ROADSTER" ONLY THOSE APPEAR.



IMG6: BAG WITH PRODUCTS. USER CAN ADD/REMOVE.

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Final Note:

Firstly, I want to thank GoComet for giving me this opportunity and I am pleased to announce that I have completed the assignment that I have been working on tirelessly for the past five days, dedicating over eight hours every day to its completion. This assignment required a tremendous amount of effort, concentration, and perseverance, but I am thrilled to say that it is now finished. I am proud of the work that I have done and the progress that I have made. Through my hard work and dedication, I was able to achieve my goal and deliver a high-quality product that meets all the requirements. I look forward to hear your feedback and move on to the next round with renewed enthusiasm.

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