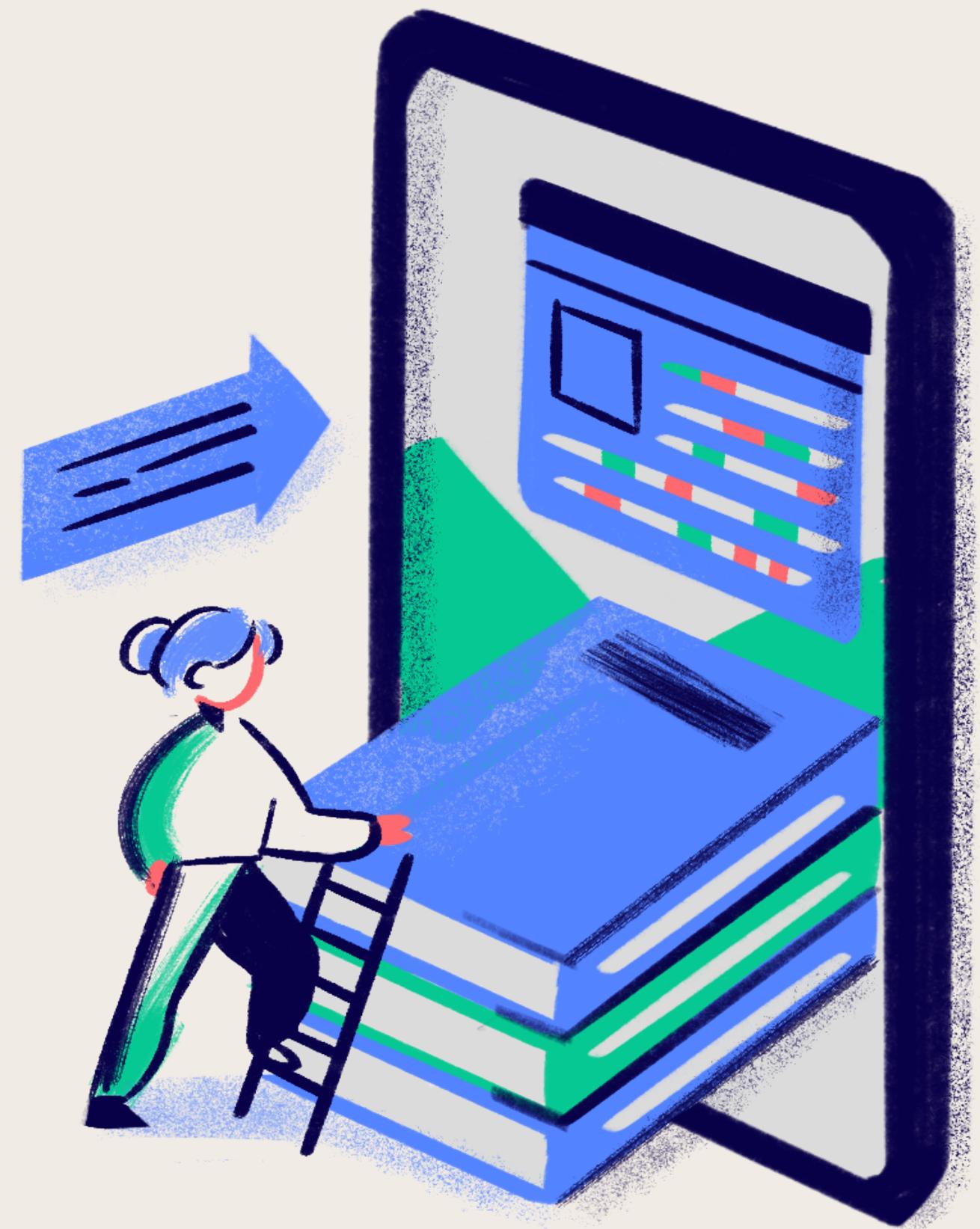


PRESENTED BY FAYAZ ALI

DYNAMIC MARKETPLACE.

NIKLEY



DAY 4

CREATING DYNAMIC FRONTEND COMPONENTS WITH SANITY CMS INTEGRATION

DYNAMIC FRONTEND COMPONENTS

On Day 4 of the hackathon, I successfully developed a comprehensive array of dynamic frontend components for our marketplace platform. This achievement signifies a crucial milestone in enhancing the platform's functionality and overall user experience.

INTEGRATION WITH SCANITY CMS

These components are integrated seamlessly with Sanity CMS, facilitating the efficient retrieval and presentation of real-time data. This integration significantly enhances our ability to manage content in a dynamic manner.

REAL-TIME DATA FETCHING

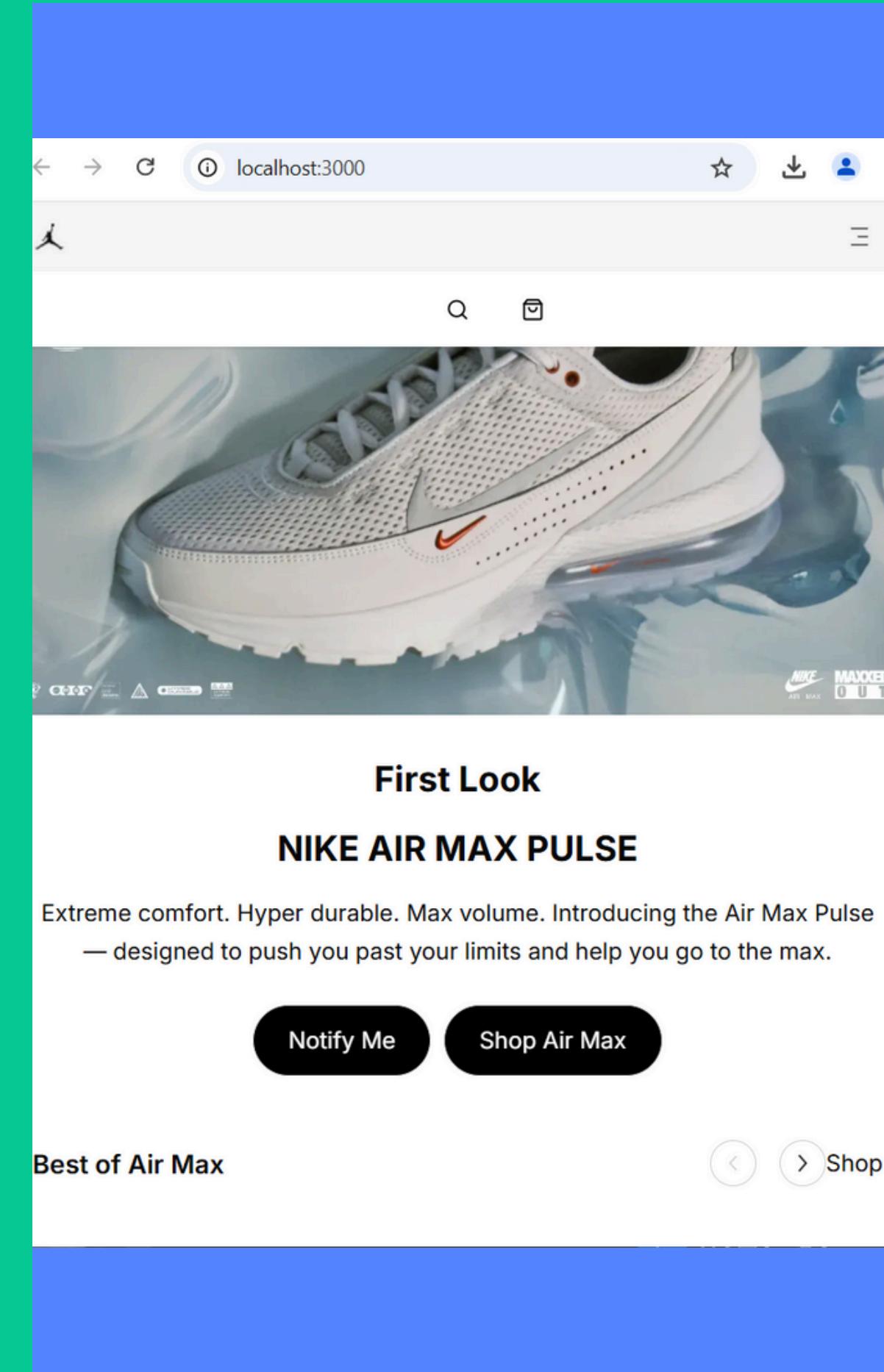
The integration with Sanity CMS enables real-time data retrieval, ensuring that users have consistent access to the most current information. This functionality is essential for fostering user engagement and enhancing overall satisfaction.

USER-FOCUSED EXPERIENCE

The dynamic components developed facilitate a user-centered experience that effectively adapts to the needs of our users. This enhancement renders the marketplace more interactive and responsive to user inputs, thereby improving overall engagement and satisfaction.

COMPREHENSIVE OVERVIEW OF COMPONENTS

A comprehensive overview of the components includes features such as dynamic product listings, user reviews, and integrated search functionalities. These elements collectively enhance the overall user experience.



COMPONENTS OVERVIEW

Product Listing Components

This component is designed to provide an efficient and visually appealing display of products, enhancing the user experience on the e-commerce platform.

Responsive Grid Layout

The layout adapts to various screen sizes, enabling effective access to product listings on both mobile and desktop devices.

Sanity Integration

The integration of Sanity CMS facilitates effective dynamic content management, ensuring that product listings are continuously updated with the most current information.

Efficient Data Fetching with GROQ

Utilizing GROQ queries allows for rapid and efficient fetching of product data from the Sanity backend, minimizing load times and user satisfaction.

Product Detail Display

Key product information is displayed prominently, including the product name, price, product image, and stock status, helping users make informed purchasing decisions.

Lazy Loading Implementation

Lazy loading of images optimizes performance by only loading images as they come into the viewport, enhancing page speed and user experience.

Real-Time Updates

With Sanity's content management tools, product listings can be updated in real-time, ensuring users always see the latest information and offerings.

Product Image

Images are sourced from Sanity's image assets, ensuring high-quality and fast loading times through implementation of lazy loading.

PRODUCT DETAIL AND CATEGORY COMPONENTS

ENHANCING USER -EXPERIENCE THROUGH EFFECTIVE INTEGRATION

■ NEXT.JS DYNAMIC ROUTING

Utilized Sanity's slug field to create SEO-friendly URLs that enhance the visibility of products in search engines, ensuring a better user experience and increased traffic.

■ IMAGE GALLERY WITH ZOOM FUNCTIONALITY

Integrated an image gallery featuring zoom functionality using Sanity's image assets, allowing users to closely inspect product images, which enhances their shopping experience.

■ DYNAMIC CATEGORY SYSTEM

Developed a dynamic category system that fetches category data from Sanity, supporting hierarchical categories that help users easily navigate through product listings.

■ REAL-TIME STOCK UPDATES

Implemented real-time stock updates using Sanity's listening features, ensuring that customers receive the most current information regarding product availability.

■ NEXT.JS DYNAMIC ROUTING

Utilized Sanity's slug field to create SEO-friendly URLs that enhance the visibility of products in search engines, ensuring a better user experience and increased traffic.

■ DYNAMIC FILTERING WITH SANITY'S QUERY API

Leveraged Sanity's query API for dynamic filtering based on selected categories, ensuring that users can view relevant products without unnecessary clutter.

■ PAGINATION COMPONENT

The Pagination Component is essential for managing product listings effectively. It allows users to navigate through multiple pages of products, enhancing the overall user experience by preventing overwhelming information on a single page.



■ FAQ AND HELP CENTER COMPONENT

This component includes a comprehensive FAQ section and a contact form designed for support tickets, enabling users to easily find answers to common questions. The FAQ section is searchable, allowing for quick access to information. Additionally, a chatbot UI has been integrated to provide instant responses using a knowledge base stored in Sanity.

OUR DAY 4 ACHIEVEMENTS

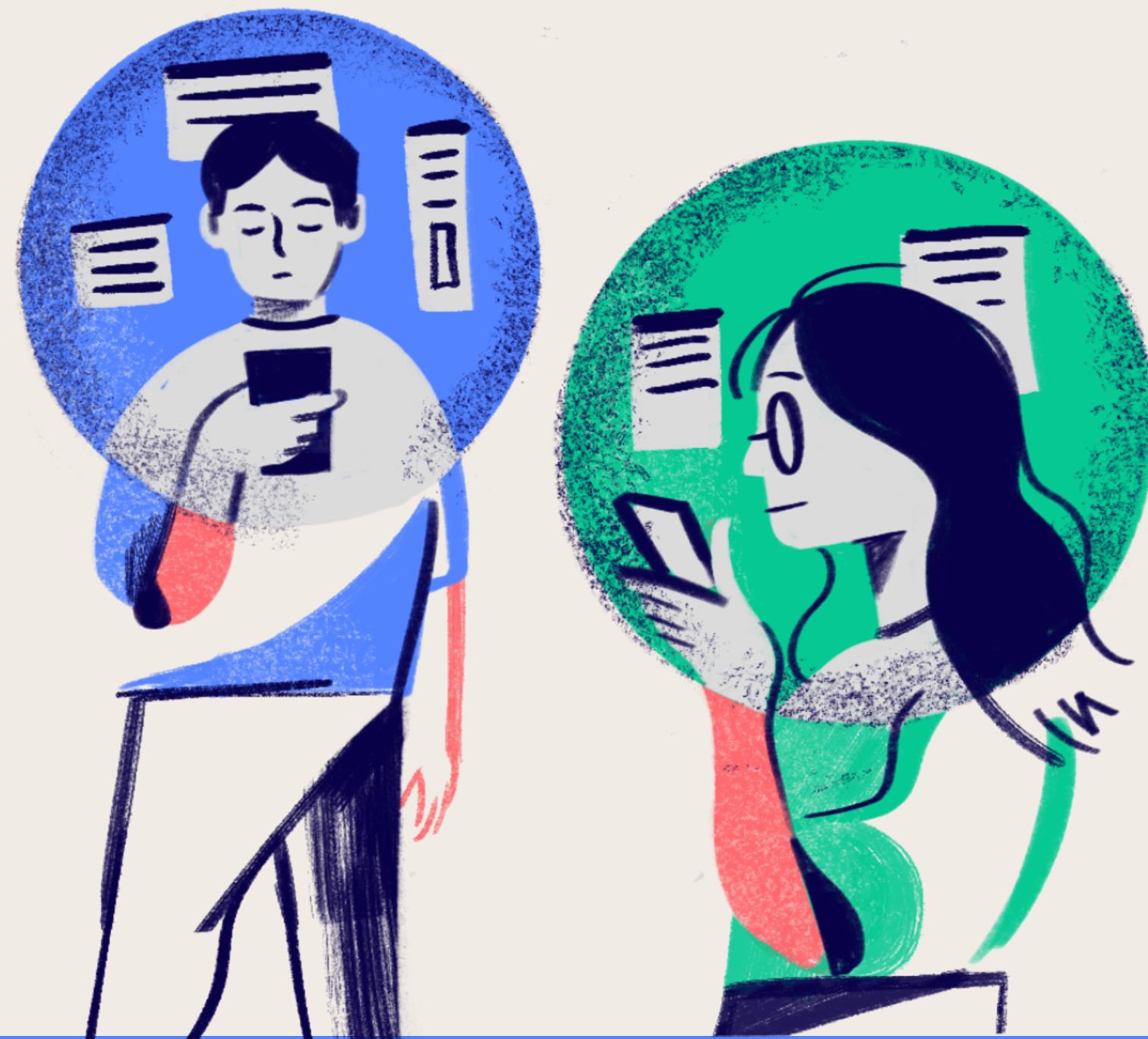
We have made considerable advancements in the development of a feature-rich e-commerce platform. The components that we have implemented thus far constitute the foundation of a dynamic and user-centric marketplace, providing a seamless shopping experience that adapts to real-time updates.

The following summarizes our achievements:

- ◆ Responsive design and Professional Aesthetic.
- ◆ Fully Functional Product Listing Page.
- ◆ Effective Search Bar
- ◆ Advanced Category Filters
- ◆ Individual Product Detail Pages
- ◆ Pagination and Related Products

PRESENTED BY FAYAZ ALI

THANK YOU VERY MUCH!



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