COMPONENTS:

1. The product listing page with dynamic data:

Component Overview:

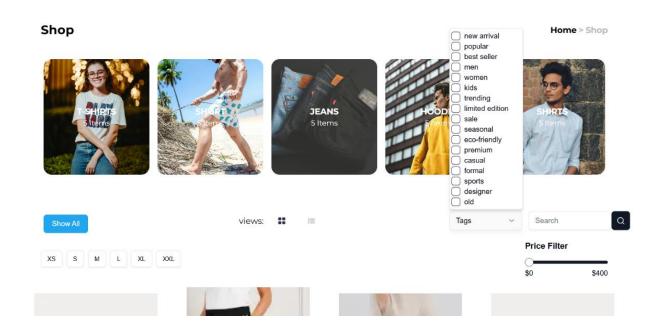
To create a product listing page with dynamic data I've created a route with name "SHOP", which is a server rendered component and it renders another client rendered component within it named "ShopStructure", I've separated the structure of the route because I wanted to import or call <u>sanity api</u> on server side, so I've imported the data in the from sanity in the parent component using my utility function "getProductData" and passed it through prop to the structure component.

It lists all products in through "flex" and the overflow is handled by flex-wrap.

Component Functionalities:

- 1) Categories based filter
- 2) Tags based filters.
- 3) Product Search.
- 4) Price based product filter.
- 5) Size based product filter.
- 6) Pagination to display only 10 products per page.
- 7) Responsive across all devices.

Component Screen Shot:



Component Code Screen Shot:

2. Individual Product details Page:

Component Overview:

I've created a dynamic route for the individual product details page, which is created with the same pattern like shop route i.e. parent component server rendered which fetches data and passes to the structure component which is CSR component as prop. Also the parent component is getting id through its dynamic route feature and using that product id it is filtering product data using the filter array method by comparing the Id of the clicked product with every product coming in the product fetch. And also passing the filtered product details to the product structure component.

The Details page displays product Title, Ratings, description, price, available colors, available sizes, a general size guide, available stock and other miscellaneous details

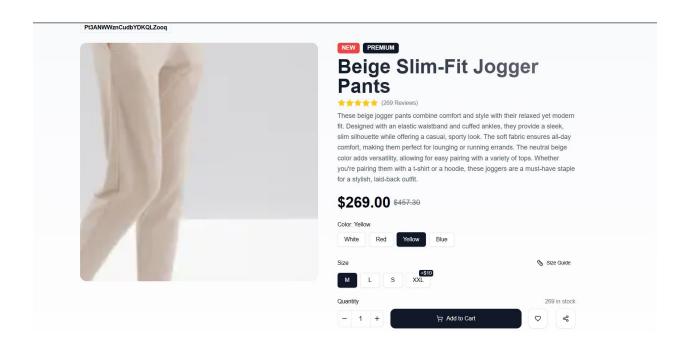
Component Functionalities:

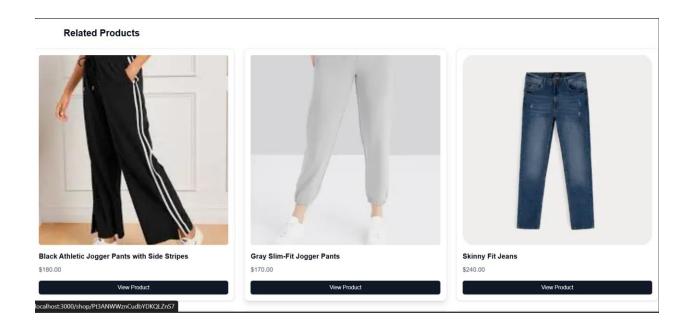
- 1) Zoom effect on image on hover.
- 2) If product contains new or premium tags, it they will be shown like a Badge.
- 3) Price increment based on size.
- 4) A general size guide dialog.
- 5) Quantity selection, you can't select more than available stock.
- 6) Add to cart functionality, working.
- 7) Add to wish list functionality, working.
- 8) Related product component, which get the product Id and category,

excluding that product it shows all the related products, matching that category.

9) Responsive across all devices.

Component Screen Shots:



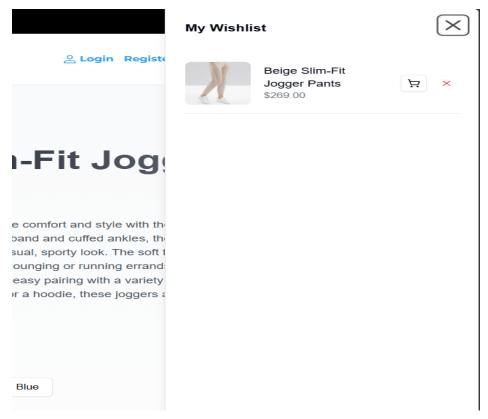


Component Code Screen Shots:

OTHER COMPONENTS:

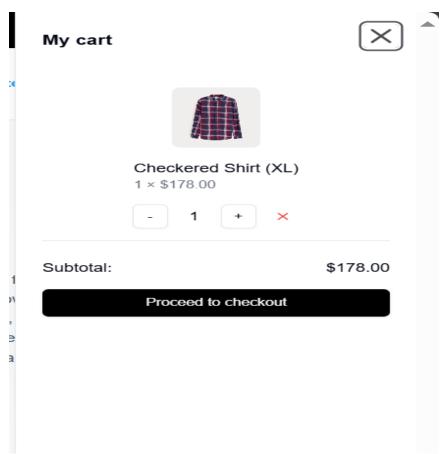
1. Wish List Component:

A fully functional wish list components, having the functionalities of adding the selected component to the cart and removing it from the wish list as well.



2. Cart Component:

A fully functional Cart component with displays products added to cart and a tiny component in that which contains the increase or decrease quantity and removing product buttons. As well as another component showing the subtotal and the button to proceed to the check out page.



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### Cartor X

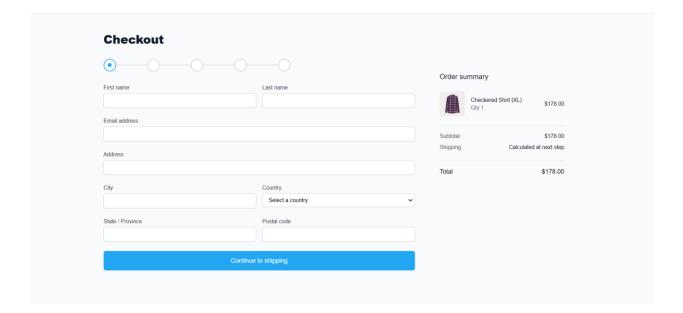
### Scriptor |

### Scriptor |
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3. Checkout Page with its components:

A multi-step checkout with components like "BillingForm"," ShippingForm",

- "ShippingMethod"," PaymentMethod", "OrderConfirmation", "CheckoutSteps" to keep record of step you are on currently, "OrderSummary".
- * As of now I haven't implemented the route protection using auth to protect checkout route.
- * Haven't integrated payment gateways.
- * functionality to store customer information in sanity's customer schema.
- * Haven't included the shipment functionality too.



BEST PRACTICES USED:

- 1. Have made components reuseable.
- 2. Used map method to render list of components.
- 3. Have used Context api for State management of components like Cart and Wish list.
- 4. Implemented pagination in the product listing page to list large product data set in chunks.
- 5. Tried to ensure responsiveness in all the above components.

NOTE: In the milestone 3's project which was also an e-commerce website I've implemented almost all of the above functionalities, and because of that experience haven't faced any worth sharing errors or problems.