

Problem Statement

A prospective entrepreneur plans to initiate a t-shirt business, focusing on online sales. To facilitate this operation, they seek a basic web application. This application should allow customers to explore the range of t-shirts on offer, select items to add to their virtual shopping cart, and seamlessly proceed to checkout with their chosen items.

Mandatory Task

Task is to build a simple UI, which allows a customer to do the following:

- Browse the catalog on a product listing page
- Each card should have the image, name and price.
- Search using free text which is a combination of one or more of the below attributes (Eg. green polo)
 - Name
 - Colour
 - Type
- Filter for t-shirts using specific attributes
 - Gender
 - Colour
 - Price range
 - Type
- Filters and Search need not be retained on navigation between pages, But the items in the cart should be retained.
- Add one or more t-shirts to the shopping cart
- View the shopping cart by clicking the shopping cart icon
- Increase quantity or delete items from the shopping cart
- Display the total amount in the shopping cart.
- Every t-shirt type has a limited quantity. If the customer tries to order more than the available quantity, an error message should appear.

Notes

- All features (search, filter, add to cart etc) should be handled on the client side.
- Filter can be applied by itself or on top of the search results.
- There is no need to implement user registration / login.

Bonus Task:

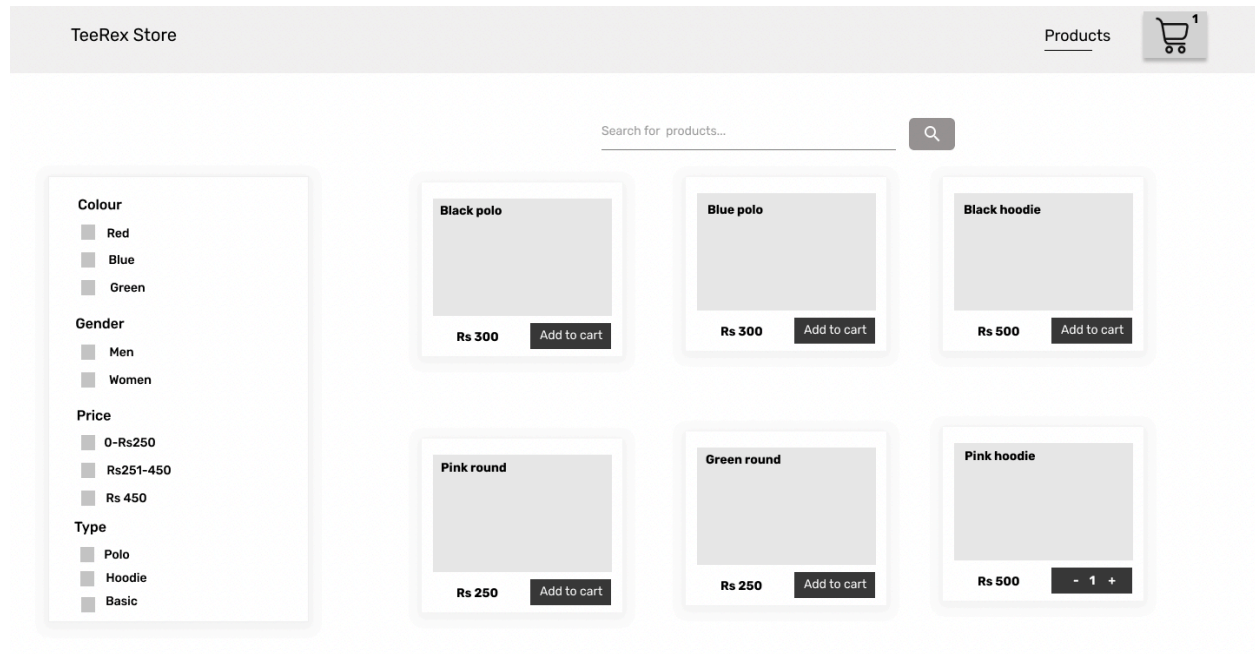
While it's not required, completing any or all of these tasks will earn you additional bonus points.

- Mobile Responsiveness: Ensure the design is fully responsive and provides an optimal viewing experience across a range of devices.
- Usage of UI library like Bootstrap, MaterialUI, ShadCN, etc
- Usage of State management Library.
- Add micro-interactions or animations that enhance the user experience.

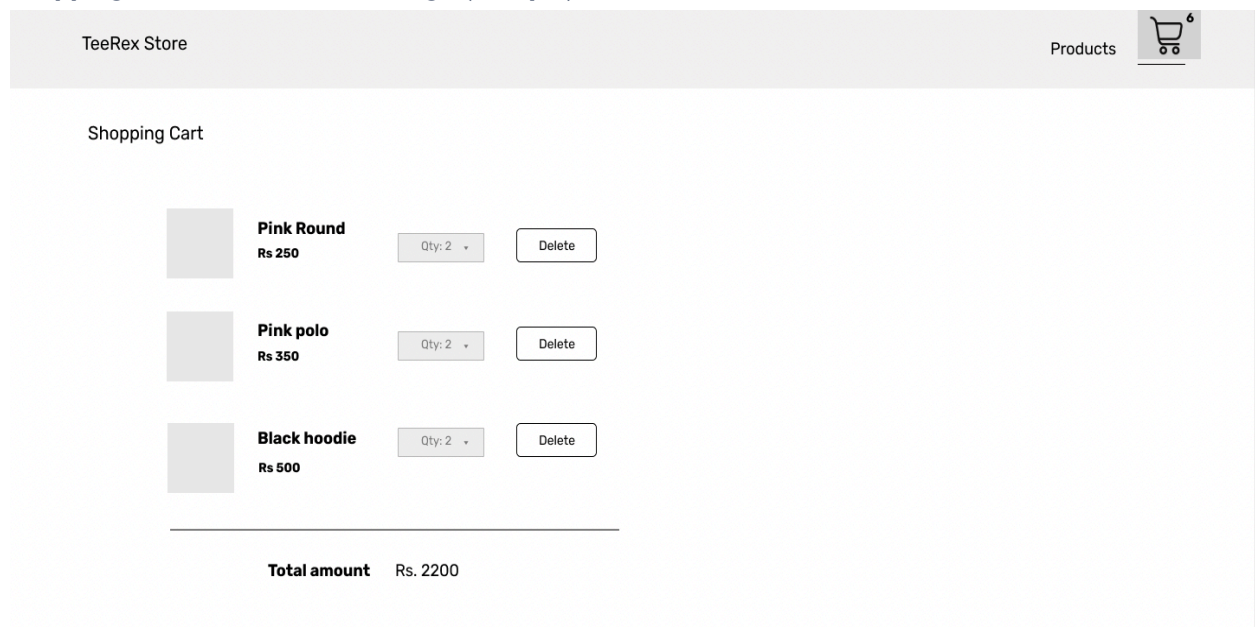
Sample UI Mockups

The mockup provided is only a sample so that you have an indication of what is expected from you. You could choose to go with a completely different user experience. But you will need to ensure that all requirements mentioned in the problem are covered & there should be navigation between screens

Product Listing Page (Sample)



Shopping Cart - Pre-Checkout Page (Sample)



Submission:

- Please create a repository on GitHub or GitLab for your assignment. In addition to creating a repository.
- Please host your website on a platform like Netlify or a similar service.
- Once your submission is ready, share the links of git repository and live website by sending an email to contact@appweave.tech.
- Use the following subject line for your email:
[Your Name]: Full Stack Developer Intern Assignment
Make sure to replace "[Your Name]" with your actual name. This will help us identify your submission.

