

Requirements

- The app collects data from the various marketplaces regarding products listed, prices, trending/in-demand products/categories, reviews, and also information about currency exchange.
- A product's page contains the name, specifications/attributes, some images, the places (stores/online shops/marketplaces) where the product can be bought from and a graph for visualizing the price history of the product on the marketplaces where it can be found.
- Users can read and post reviews and ratings for products, helping others make informed decisions. The reviews can be seen on a products page and the user can add a review by pressing a button on this page.
- Provide advanced searching options, such as keyword matching, filtering based on category, price range, ratings/reviews, popularity, brand, marketplace on which the product is listed. Also, the results can be ordered by price, rating, popularity.
- A user can choose to follow (mark as favourite) a certain product and receive notifications about significant changes in prices, popularity. Each product will have a button which will mark the product as favourite.
- The user can view charts/graphs regarding the changes in prices, product sales, items in stocks, estimated sales, on a variable time interval, and the data regarding prices can be visualised in different currencies.

- Multilingual support to cater to users from different geographic and linguistic backgrounds, enhancing the app's global usability. The language in which the page is displayed can be chosen from a dropdown.
- The user can receive from the app recommendations of products based on reviews/ratings, sales, prices, popularity, in the form of alerts, push notifications and ads.
- From a products page, the user will have the option to compare the product to another product of the same category, by pressing a button which enables comparison mode. (side-to-side charts/tables/graphs containing attributes and performance comparisons)
- When comparing two products, the data about the compared products will be displayed side by side and the better characteristics will be highlighted.
- Allow users to customize their dashboard with widgets for tracking their favorite products, alerts, market trends, by using drag and drop elements.
- The app collects data about the user's activity (marking a product as favourite, searching a certain product, category, interacting with an ad) in order to recommend, better, more relevant/personalised ads, products listings.
- Send notifications about deals or promotions in nearby stores or for products available in the user's geographical location, if they share their location.
- The user can dismiss ads which are not appropriate for them and the app will adapt to the user's preferences.
- Easy Sign-Up/Log-In: Create a simple process for users to create an account using an email address or social media logins.

- The user will be able to share products with other users through messaging apps in the form of links, by pressing a Share button.
- Current deals, coupons, sales and promotions available on various marketplaces will be recommended to users by appearing at the top when a user browses a category or searches for a keyword.
- Incorporate video reviews and unboxings by users or influencers to provide more dynamic content. The video will be integrated on the page of the product's overview.
- A product's page will also contain hyperlinks to the marketplaces/stores websites where the product can be found. These will be ordered based on the best offer.