

Product Differentiation

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Account/ Purchases

- A new user can register for a new account; an existing user can log in using email and password.
- Each user account has a system-assigned id. Other account information includes email, full name of user, address, and password. Users can update all information except the id.
- Users can browse their history of purchases, sorted in reverse chronological order by default. For each purchase in this list, show a summary (e.g., total amount, number of items, and fulfillment status) and link to the detailed order page (see Cart / Order).

Products

- There is a list of predefined product categories, and each product belongs to one category.
- Users can browse and search/filter all products. For each product in the result list, show a summary (e.g., image, name, average review rating, etc.) and link to the detailed product page.
- Support browsing by category, searching by keywords in name/description, sorting by price: low to high, high to low, and customer review high to low.

Cart / Order

- Each user has a cart. The detailed product page (see Products) will provide a way of adding to this cart.
- Users can change qty in cart.
- Divide the cart into “in cart” and “saved for later” so that a user can check out certain items while keeping the others saved to be purchased at a later time. Items can then be added back into the cart.
- A detailed order page (from the buyer’s perspective) contains all the information of the order and its status. It supports pagination (Limit to 10 orders/page), makes browsing easier.
- Users can submit orders on the checkout page and input their specific order address.

Feedback

- A user can submit a single rating/review for a product. The submission link is incorporated in the detailed product-detail page. The user cannot submit multiple ratings/reviews for the same product, but can edit/remove any existing ratings/reviews by this user. The reviews include image, star-rating, comments.

UI

- Amazon style UI

Framework

- Flask + javascript + html/css + postgresql