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Requirements Document for Ace Widgets

Functional Requirements:

1. The system will have a search box
2. The system will have categories that customers can browse.
3. The system will make suggestions for similar product
4. The system will display a photograph of each product on the product page.
5. The system will display a description of the product on the product page.
6. The system will display an "Add to shopping cart" button near the product image.
7. The system will allow customers to sort results by price (low→high or high→low), best-selling, most recent, brand or best-reviewed.
8. The system will allow users to choose how many results per page they see.
9. The system will display "Today's deals"
10. The system will allow customers to leave feedback, either via a star-rating or via a written review.
11. The system will allow storage of products in shopping carts without signing in first
12. The system will allow for changing the number of items ordered.
13. The system will allow for item deletion with one click
14. The system will allow to go back to shopping
15. The system will allow items in carts to be saved with an account.
16. The system will offer account creation to store details and previous orders
17. The system will accept various payment methods, such as credit cards, PayPal, and EFT.
18. The system will have a button for 'click to check out'
19. The system will check for all of the required fields (name, billing address, shipping address, credit card number length, CVC code, expiration date)
20. The system will allow to check a box for matching billing/shipping address.
21. The system will have an "Are you sure?" page where the customer may make final checks on the order.
22. The system will email details of the order to the customer upon checkout.
23. The system will email the customer upon shipment of the order.
24. The system will allow employees filling the order to mark its shipment and tracking details so that they may be emailed to the customer.

Data Requirements:

1. Customer must input:
 1. search term
 2. number of product needed

3. billing/shipping address
 4. contact information (email, phone number)
 5. payment information.
2. Company must have: database of products, with price, name, and photo

Constraints:

1. The system will respond within 2 seconds
2. The webhosting services used must be able to handle the traffic
3. An employee must maintain the product database.
4. A programmer must be hired to implement the system (costs \$)
5. The program will be written in PHP and MySQL
6. The system must be up 99% of the time.
7. The system must launch by July 1, 2013