

Tenderd
Case Study
Huzaifa Mukadam
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Building an online auction website requirements:

1. Get a domain name pointed to the static website.
2. Optional - Get an auction plugin, costs \$35-\$90 but it will make the process simpler and the website more reliable
3. Should have a customer support line
4. Website should support the upload of high resolution images of the items
5. Website should be able to send notifications to inform customers when the auction starts.
6. Auction times should include time zones
7. Servers should be optimized to work with high volumes on the weekend as that's when the auction will take place. Not necessary if auction is going to last longer than a few days or hours.
8. If auction times are similar to what they are now client side infrastructure should support bid wars, so refresh rate should be high and the servers will receive high ping volumes in a short amount of time
9. The website should be able to share statistics with the user, such as how many other users are bidding on / viewed a particular product.
10. Authentication protocol like captcha to prevent bots invading the website
11. Integration with paypal, master/visa card for payment purposes
12. User interface should include buttons to bid in increments
13. Some sort of delivery vendor like UPS/Fedex integration. This will also depend on who bears the cost of delivery.
14. If Frank is going to bear the cost of delivery he might want to have some sort of radius of where he is willing to deliver to. Let the user know if he/she will have to bear the shipping cost.
15. Ability for users to create a profile will enable Frank to collect data and track metrics and will be useful for recording the address for delivery.
16. If the website is going to auction multiple items at the same time, users should be able to participate in multiple auctions at once, so building a dashboard for users to track the auction and bid will be useful.
17. Users should be able to preview items before the auction starts.