1. Fix SQL injection query + record DB addition with input values
2. Add comment definitions to Functions
3. Convert to Json input & Json Response
4. Review the code and remove any blocking calls. It should all be async with DB transactions for best performance.
5. Use Clustering for network IO Parallelization.
6. Use Worker Threads wherever necessary / possible.
7. Write a blog with all the issues faced and the solutions/tricks ( for example cors policy, Window.localStorage() etc etc ).
8. Customize Asset Size.
9. Customize BuiltUp Area.
10. Remember Password Feature => Checkbox.
11. Implement Dual Display type ( Min Auction Price through display / Alert ) for Open Auction.
12. Implement Secretive Auction ( Tenders ) As soon as possible.
13. Deploy Https Website with full E2E encryption/description.
14. Review the code and remove all the Exception throwers after stabilizing the code. And replace them with Debug information.
15. Get Buyer/User Location automatically and place Retrieve Auctions accordingly.
16. Disable the current Bid Price Text Box.
17. Customer 10 sells and Customer 15 purchases for now. Use localstorage & login details to get current customer account.
18. Open connection pool to mySql instead of a single connection for parallelization.
19. Implement Logout functionality.
20. Implement data persistence throughout the logon sessions.
21. Close Auctions : Automate the Display division containers & place bid container additions.
22. Close Auctions : Implement pagination based on the need to display all the Asset ads.
23. Send notifications to seller & buyer after auction closure.
24. In every page check if the user is logged in or not through browser cache during page load. Authenticate User during every important page load.
    1. Authenticate User in periodic manner and logout if password base64 encoded string gets deleted.
    2. Place Bid needs Logon session.
25. Update NoOfBids & NoOfListings as part of publish auction
26. Write Validate helper function both in client and server to validate against null & undefined and “”.
27. For View Auctions, determine the display for Login/Logout.
28. Ban Self Bids.
29. login alert comes after the page gets loaded. Please fix this.
30. Express module is not working as the listener. Explore this at the end.
31. Embed Http Response module in every other CRUD module.
32. Handle Errors / exceptions in callback function.

**Beautification of Web UI :**

* User Type Selection box
* Client side input validation. Yet to do. Done basic validation for query pass through.
* Phone number validation. Email validation. Password strength validation.
* CORS policy error is being shown for cached request. Investigate.
* Side Note : Determine on how the form page refresh of designyourlife worked without preventDefault().
* Auto populate Country, State, City from World database.
* Write a blog with all the issues faced and the solutions/tricks ( for example cors policy, Window.localStorage() etc etc ).
* View Auctions : Automate the Display division containers & place bid container additions.
* View Auctions : Implement pagination based on the need to display all the Asset ads.