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Amazon Online Store

Requirements:

1. Login/Logout system.
2. Unique user accounts with account settings
3. Server should able to create, read, update and delete
4. Ability to house large amounts of products (Database).
5. Support different payments methods like credit card, paypal, venmo
6. Front end: can view or browse available items as a catalog
7. The serve should use https protocol
8. The server should able to backup the data after a predefined time
9. The server should implement microservices.
10. The server should be session based with timestamp.
11. Front Page should display “Specials” or recommended items
12. Front end: Can select individual item to get description and information about item
13. The server should support graphql
14. The server should be able to hold a large amount (1 million) of people at the same time
15. The front end should use carousel for scrolling the products
16. The web page should be able to load within 2 seconds
17. The front end should use cookies.
18. Front end: Users should be able to leave comments and reviews on items
19. The front end should use lazy loading
20. The front end should have a shopping cart for storing the products to be purchase
21. The back end should support oauth 2

21. The database should only allow the senior member to access

1. The system will send a email to ask user reset their password for every three months
2. The system should allow safe placement of orders/ various shipping methods.
3. The systems should use vpn for safe transactions.
4. The systems should use tlc sockets.

25. The systems should allow instant messaging with the customer service.

26. When a user is inactive for 10 minutes, the system should logout the user

27. The systems should use agile with scrum work flow with 2 week sprints.

28. Ability to list things for sale as a user.