

AccountTypeName:

- Admin (level 4)
- BuyerAndSeller (level 3)
- Seller (level 2)
- Buyer (level 1)

You cannot change your account type into a lower level, you cannot change your account from Buyer to Seller or vice-versa, you will only have the option to be both BuyerAndSeller (upgrading to level 3)

If there is at least one active order that is in a state of being processed, you cannot change your delivery address

RED = shown on public
GREEN = internal
mongodb key.

To reduce complexity (and finish this portfolio quickly), I did not implement the following features:

1. Multiple Product Categories
2. Product Returns
3. Chat/Messaging
4. Two-Factor-Authentication
5. Federated Security (sign up/sign in via Google or Facebook account)
6. Multiple Product Images (cloudinary comes into mind for media hosting on cloud)
7. Discount / Flash Sale Events
8. SMS Notifications on order operations.
9. Address Lookup via existing APIs to validate it's existence.
10. Verification via SMS (email only, made possible by using captcha to mitigate spammers)
11. Audit Trail, yep it's required to track changes for investigative purposes, but decided to skip it.
12. Inventory SMS notifications of low stock level



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    ProductService

QUERY
+getAllActiveProducts(): Promise<Product[]>
+findByProductId(productId: string): Promise<Product>
+findAllProductsBySellerId(sellerId: string): Promise<Product[]>
+findProductsByName(name: string): Promise<Product[]>

MUTATION
+createProduct(createProductInput: CreateOrUpdateProduct): Promise<Product>
+updateProduct(productId: string, updateProductInput: CreateOrUpdateProduct): Promise<Product>
+deleteProduct(productId: string): Promise<Product>

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