

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), did not implement the following features:

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



ProductService
<div>QUERY</div> <div>+getAllActiveProducts(): Promise<Product[]> +findByProductId(productId: string): Promise<Product> +findAllProductsBySellerId(sellerId: string): Promise<Product[]> +findProductsByName(name: string): Promise<Product[]></div>
<div>MUTATION</div> <div>+createProduct(createProductInput: CreateOrUpdateProduct): Promise<Product> +updateProduct(productId: string, updateProductInput: CreateOrUpdateProduct): Promise<Product> +deleteProduct(productId: string): Promise<Product></div>