

**accountType [ENUM]**

- Admin (level 0)
- BuyerAndSeller (level 1)
- Seller (level 2)
- Buyer (level 3)

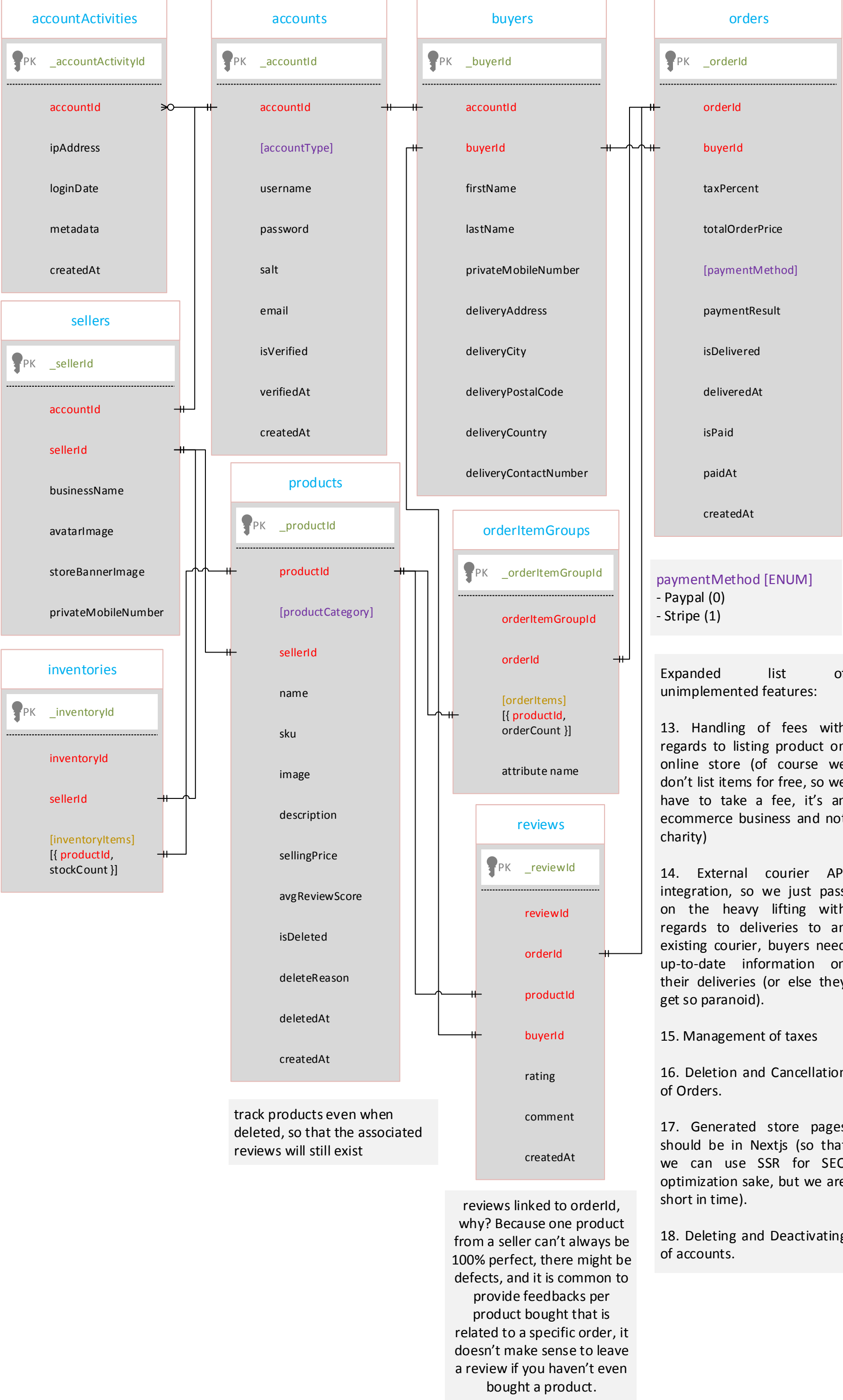
You cannot change your account type into a lower level, you cannot change your account from Buyer to Seller or vice-versa, you will only have the option to be both BuyerAndSeller (upgrading to level 1)

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 (& editing of available 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
<b>QUERY</b> <b>+getAllActiveProducts(): Promise&lt;Product[]&gt;</b> <b>+getProductById(productId: string): Promise&lt;Product&gt;</b> <b>+getAllProductsBySellerId(sellerId: string): Promise&lt;Product[]&gt;</b> <b>+getProductsByName(name: string): Promise&lt;Product[]&gt;</b>
<b>MUTATION</b> <b>+createProduct(createProductInput: CreateProduct): Promise&lt;Product&gt;</b> <b>+updateProduct(updateProductInput: UpdateProduct): Promise&lt;Product&gt;</b> <b>+deleteProduct(productId: string): Promise&lt;Product&gt;</b>

AccountService
<b>QUERY</b> <b>+getAccountById(accountId: string): Promise&lt;Account&gt;</b>
<b>MUTATION</b> <b>+createAccount(createAccountInput: CreateAccount): Promise&lt;Account&gt;</b> <b>+updateProduct(updateProductInput: UpdateAccount): Promise&lt;Account&gt;</b> <b>+deleteProduct(productId: string): Promise&lt;Product&gt;</b>