Normalization:

The tables are each currently in at least 1NF with the data that populates them. However, if a member was to be created that had multiple phone numbers or email addresses, the table might have to be decomposed to make the members table 1NF, containing only userId, password, name, and address, as all of these values would be atomic, then making another two tables for userId and email address, then userId and phone number. This data is now also in 2NF. The bid, items, shipping, and rating tables are already in 1NF because all of the values are atomic. Items, bid, and shipping are also in 2NF, but rating needs to be separated into ino, buyerId, bComment, and bScale and then ino, sellerId, sComment, and sScale because the comments and ratings are dependent on both the ino and userId. For, 3NF and BCNF, bid, members, items, shipping, and ratings are now in them.