Systems Limitations and Areas for Improvement

In any situation where there in continuous learning and limited time there will be restrictions to how something is made. As such, there are negative attributes and other things that we would like to improve upon if we had more time. The final version of our database is what was required to solve the case that we had, however, the case itself was somewhat impractical compared to how it would be handled in real life. We decided to not change our solution to handle what we viewed as critical changes, but opted to remain with the case prompt. In the real world we would have been able to have a meeting with the consumer of our database and have a discussion on if these changes would have been needed. For example, if you were a manufacturing warehouse and received a batch of steel plates, would all of the plates be able to fit into a single storage bin in the warehouse. They may be too large to do so, but our assumptions are that any batches when received will fit into a single bin.

Possible limitations to our database are size restrictions on data types such as if there are more than 9999 warehouses that need to be stored in the system. These datatypes were selected by the unreasonableness that they would ever be exceeded by a small to medium sized company. These could be changed in the future if they needed to withstand different data constraints or hold more records. Another limitation to our system is how our system was created is that there will have to be many intricate checks that will have to be done in the database interface or server level to make sure privileges of inserting data into tables such as backorders can only be done by a manager. Overall many of these limitations could simply be fixed if they need to be. How we viewed this assignment is to try to stick to the case as stringently as possible, and some of the changes that we proposed for improvement could be implemented without significant change.