Matthew Mykietyn

Database Project Proposal

The basic idea behind our group’s project is to create a database for a super market that will serve both retail and intercompany needs. The general idea is to create a database containing information on all products in the store, including their names, what aisle they are in, what section they are in, Universal Product Codes, and cost of each item. We want this database to have two sides to it, one for the customer base and one for intercompany use.

The customer side will almost exclusively be used for customers attempting to fill a shopping list or search for a hard to locate item. On this side of the database, the customer will be able to look up where an item is by its name, look up what is in a specific aisle, and look up the price of an items. With this data, the customer and build a comprehensive grocery list from their computer at home and significantly reduce the amount of time spent searching for items in the store.

The intercompany side will allow store employees to track statistics of items in the store, including the cost to buy, the amount they have on hand, how much of what items was purchased in a certain time frame, and if they need to re-stock that particular item soon. The database will also be able to generate a restock order for the store if one is required. The managerial side of the store can also use this data to find profit margins for specific items and time periods in the store, which will help them increase efficiency within the store.