EECS 560 Lab #3

1. Explain how this algorithm can help in application development.
Utilizing the hashtable data structure for this application allows the application to operate efficiently. For instance, given a large hashtable size and efficient hashing function, the insert and lookup time will be O(1). In essence, this means that if Bob's application's restaurant catalog where to grow, the hashtable's functionality would guarantee efficiency.

2. Can you suggest a third factor which can be included in this kind of recommendation app? For example: the distance from your location
If Bob's application were to grow and allow for a friend system within the app, then the factor of average friend rating for a particular restaurant could be utilized. For instance, a particular restaurant will have its current rating system; but additionally, it will provide the average friend rating for that particular location. This allows for a more unique factor to utilize within the hashtable scheme and reduce chances of collisions.