**Video Games Review Center**

Project Description

This application will allow users to be able to explore the list of popular video games and can find games that meet their needs. Each video game contains its name, rating, short description, genre, release date, supported platforms, game size, game configuration requirements. The system will display the number of games that match the search criteria and the top 5 video games (in ascending order by rating), which can provide the user with an accurate list of the games he/she wants to play. The list will be in default setting, which will list all the video games (in descending order by rating).

Planned Data Structure/Algorithm and Justification

HashTable Data Structure:

Video Game with its information will store in the hash table. The video game rating will as its key. HashTable data structure can insert and search operations quickly, especially for small scale video game review lists like this program design.

Proposed Unit Tests

1. Test whether the system can store, delete and recall game information in HashTable normally.

2. Test whether the system can detect and avoid the user input invalid search information or out of system search range.

3. Test whether the system can print the normal game ranking and search results by single and multi-criteria.

4. Test whether the system can cope with the situation that the user has valid search conditions but no search results.