SkipList

SkipList is a simple testbed for the **MiscSortedCollection** class cluster. You can insert, delete and search objects in three collections: a number collection, a string collection and a collection of simple test objects consisting of a string and a number.

The MiscSortedCollection class cluster uses skiplists internally. SkipLists are data structures that use probalistic balancing rather than strictly enforcing balancing. As a result, the algorithms for insertion and deletion in skip lists are much simpler and significantly faster than algorithms for balanced trees.

Reading material about skiplist:

- Pugh W., *Skip Lists: A Probalistic Alternative to Balanced Tree*
  Communications of the ACM, June 1990, Volume 33, Number 6, p. 668-676
- Pugh W., *A skip list cookbook*
  Tech. Rep. CS-TR-2286.1, Dept.of Computer Science, Univ. of Maryland, College Park,MD [July 1989]