In the interest of generic programming, the STL standard template library was created. It consists of three key components: containers, iterators and algorithms. There are three types of containers: sequence(vector,list,deque), associative(set,map,multiset) and container adaptors(stack,queue,priority_queue). List is a sequence container. Iterators are used to point to the elements of first class containers such as the list container. The iterators for list are bi-directional iterators(I++ I-- *I I=). The list is implemented as a doubly linked list.

OPERATIONS	DESCRIPTION
Constructors	
List <t>1;</t>	Construct 1 as an empty list.
List <t> l(n);</t>	Construct 1 as a list to contain n elements
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(set to default value).
List <t> l(n,initVal);</t>	Construct 1 as a list to contain n copies of initVal
List <t> l(fPtr,lPtr);</t>	Construct l as a list to contain copies of
	elements in memory locations fptr up to lptr (pointers of type t*).
Copy constructor	(Francisco)
Destructor	
~list()	Destroy contents, erasing all items.
1.empty()	Return true if an only if I contains no values
	Return the number of values 1 contains
l.size()	
l.push_back(value)	Append at end
l.push_front(value)	Insert value in front of first element
l.insert(pos,value)	Insert value into 1 at iterator position pos and
	return an iterator pointing to the new
	element's position
l.insert(pos,n,value);	Insert n copies of value into l at iterator
	position pos
l.insert(pos, fptr,lptr);	Insert copies of all the elements in the range
	fptr to lptr at iterator position pos
l.pop_back()	Erase last element
l.pop_front()	Erase first element
l.erase(pos)	Erase the value in 1 at iterator position pos
1.erase(pos1,pos2)	Erase the values in 1 from iterator positions
	pos1 to pos2
1.remove(value)	Erase all elements in l that match value
	using == to compare items
1.unique()	Replace all repeating sequences of a single
	element by a single occurrence of that
	element

OPERATIONS	DESCRIPTION
1.front()	Return reference to first element
1.back()	Return a reference to last element
1.begin()	Return an iterator positioned at first value
1.end()	Return an iterator positioned past last value
1.rbegin()	Return a reverse iterator positioned at last
	value
l.rend()	Return a reverse iterator positioned before
	first value
l.sort()	Sort elements using <
1.reverse()	Reverse the order of the elements
L1.merge(L2)	Remove all the elements in L2 and merge
	them into L1, that is, move the elements of
	L2 into L1 and place them so that the final
	list of elements is sorted using <.
	(assumes both lists sorted by <).
L1.splice(pos,L2)	Remove all the elements in L2 and insert
	them into L1 at iterator position pos
L1.splice(to,L2,from)	Remove the element in L2 at iterator
	position from and insert it into L1 at iterator
	position 'to'
L1.splice(pos,L2,first,last)	Remove all the elements in L2 at iterator
	positions(first, last) and insert them into L1
	at iterator position pos
L1.swap(L2)	Swap the contents of L1 with L2
L1 = L2	Assign to L1 a copy of L2
L1 = L2	True if and only if L1 contains the same
	items as L2, in the same order
L1 < L2	True if and only if L1 is lexicographically
	less than L2