Student Class

Private:

* level : int
* gpa : double
* name : string
* strLevel : string\*
* LEVELS[4] : string const

Public:

+ getName() : string  
 + getNLevel() : int  
 + getLevel() : string  
 + getGpa() : double  
 + setName() : void  
 + updateLevel() : void  
 + operators < ( rhs : student& const )   
 + operators > ( rhs : student& const )  
 + operators == ( rhs : student& const )  
 + operators <= ( rhs : student& const )  
 + operators >= ( rhs : student& const )  
 + operators << ( rhs : student& const )

ListDriver

+ clear() - Destroys all elements from the list",

+ resize(n) - Changes the list so that it contains n elements",

+ read() - read input.dat and push\_front(e) - Adds a new element at the front of the list",

+ pop\_front() - Deletes the first element",

+ front() - Accesses the first element",

+ read() - read input.dat and push\_back(e) - Adds a new element at the end of the list",

+ pop\_back() - Delete the last element",

+ back() - Accesses the last element",

+ begin() - Returns an iterator refereing to the first element in the list",

+ end() - Returns an iterator referring to the past-the-end element in the list",

+ displayAll() - Using iterator begin() and end() returns all elements in the list",

+ rbegin() - Returns a reverse iterator pointing to the last element in the list",

+ rend() - Returns a reverse iterator pointing to the element preceding the first element in the list

+ displayAll\_reverse() - Using iterator rbegin() and rend() returns all elements in the list",

+ erase(it) - Removes from the vector a single element(using an iterator)",

+ erase(start\_it,end\_it) - Removes from the vector a range of elements( using iterators)",

+ insert(it, entry) - Insert a new entry at the iterator.",

+ swap() - Exchanges the content of the container by another list's content of the same type

+ sort() - Sorts the list.",