DUE Date: 3/8/2014 (Optional, You don't have to submit this).

Using the code base from the previous phase, implement the following:

1. Write a template function called Search that will let you search in a given collection of objects for an object that has the same ID as the one passed into the Search function. This function should return a pointer to this object if found, else NULL.

2. Write another template function called Search that will let you search in a given collection of objects for an object that matches the criteria specified within a functor object that you define. In this functor object, you can compare the ID of the object with an ID that you are looking for. So, in essence, the functionality in this Search method would be the same as the earlier Search method, but implemented differently. If you wish, you can specify some other match criteria inside your functor object.

3. Write a template function called Print that takes a collection of objects and prints each object in it by using the output operator. Make this function take an ostream object, rather than hard coding it to print to cout.