**ProviderDirectory Class Member Functions**

(1) public int addService(Service item)

This method will add a new Service in ProviderDirectory

{

*Call base class List member function to add this object*

serviceItems.add(item);

return true;

}

(2)public int deleteServiceItem(int serviceCode)

This method will delete the Service from ProviderDirectory

{

Use the serviceCode to find the specific service

Call base class List member function to delete the object

while(not the end of Iterator)

service = (Service)iterator;

if(serviceCode = = service.get(serviceCode))

Iterator.remove();

return true;

return false;

}

(3)public List getServiceItems()

This method just return serviceItems

(4) public Service updateService(string name,int ID,string streetAddress,

string city, string state,int ZIPcode)

This method will update the information by using set functions.

(5) public static ProviderDirectory instance()

This method keep this class’s object being singleton

{

If providerDirectory is null, return a new one;

Else just return providerList.

}

(6) public string ToString()

This method will return all information of the whole Providerdirectory