**ProviderDirectory Class Member Functions**

(1) public int addServiceInfo(ServiceInfo item)

This method will add a new ServiceInfo 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 ServiceInfo from ProviderDirectory

{

Use the serviceCode to find the specific serviceInfo

Call base class List member function to delete the object

while(not the end of Iterator)

serviceInfo = (ServiceInfo)iterator;

if(serviceCode = = serviceInfo.get(serviceCode))

Iterator.remove();

return true;

return false;

}

(3)public List getServiceItems()

This method just return serviceItems

(4) public ServiceInfo updateServiceInfo(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