**CLASS: ManageService**

**Summary:**

**Elements:**

1. private ServiceList serviceList
2. private ProviderDirectory providerDirectory
3. private MemberList memberList
4. private ProviderList providerList

**Functions:**

1. public boolean AddServiceRecord(ServiceRecord newServiceRecord)
2. public boolean AddService(Service newService)
3. public List<Service> GetAllServices( )
4. public Boolean UpdateService(Service updatedService)
5. public boolean DeleteService(integer serviceCode)

**Detail:**

1. **public boolean AddServiceRecord(ServiceRecord newServiceRecord)**

Module name : **AddServiceRecord**

Module type : Function

Return type : **boolean**

Input arguments : **newServiceRecord : ServiceRecord**

Output arguments : None

Error messages : invalid service

Files accessed : None

Files changed : None

Modules called : MemberList.GetMember(integer memberID)

ProviderList.GetProvider(integer providerID)

ProviderDirectory.GetService(integer serviceCode)

ServiceRecordList.AddServiceRecord(ServiceRecord newServiceRecord)

Narrative : This method adds a new service.

public boolean AddServiceRecord(ServiceRecord newServiceRecord)

{

boolean success = false;

try

{

If (null != memberList.GetMember(newServiceRecord.GetMemberID())

&& null != providerList.GetProvider(newServiceRecord

.GetProviderID())

&& null != providerDirectory

.GetService(newServiceRecord.GetServiceCode()))

{

Success = ServiceRecordList.AddServiceRecord(newServiceRecord);

}

else throw new Exception(“invalid service”);

}

catch (Exception e)

{

//record exception

Success = false;

}

return success;

}

1. **public boolean AddService(Service newService)**

Module name : **AddService**

Module type : Function

Return type : **boolean**

Input arguments : **newService : Service**

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.AddService(Service service)

Narrative : This method adds a new service info.

public boolean AddService(Service newService)

{

boolean success = false;

try

{

Success = ProviderDirectory.AddServiceInfo(newService);

}

catch (Exception e)

{

//record exception

Success = false;

}

return success;

}

1. **public List<Service> GetAllServices( )**

Module name : **GetAllServices**

Module type : Function

Return type : **List<Service>**

Input arguments : None

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.GetAllServices( )

Narrative : This method returns all available service info.

public List<Service> AddService()

{

List<Service> serviceList = new List<Service>();

try

{

serviceList = ProviderDirectory.GetAllServices();

}

catch (Exception e)

{

//record exception

serviceList = null;

}

return serviceList;

}

1. **public boolean UpdateService(Service updatedService)**

Module name : **UpdateService**

Module type : Function

Return type : **boolean**

Input arguments : updatedService : service

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.UpdateService(Service updatedService)

Narrative : This method updates an existing service info.

public Boolean UpdateService(Service updatedService)

{

boolean success = false;

try

{

success = ProviderDirectory.UpdateService(updatedService);

}

catch (Exception e)

{

//record exception

success = false;

}

return success;

}

1. **public boolean DeleteService(integer serviceCode)**

Module name : **GetAllService**

Module type : Function

Return type : **boolean**

Input arguments : serviceCode : integer

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.DeleteService(integer serviceCode)

Narrative : This method deletes an existing service info.

public Boolean DeleteService(integer serviceCode)

{

boolean success = false;

try

{

success = ProviderDirectory.DeleteService(serviceCode);

}

catch (Exception e)

{

//record exception

success = false;

}

return success;

}