**CLASS: ManageService**

**Summary:**

**Elements:**

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

**Functions:**

1. public boolean AddService(Service newService)
2. public boolean AddServiceInfo(ServiceInfo newServiceInfo)
3. public List<ServiceInfo> GetAllServiceInfo( )
4. public Boolean UpdateServiceInfo(ServiceInfo updatedServiceInfo)
5. public boolean DeleteServiceInfo(integer serviceCode)

**Detail:**

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

Module name : **AddService**

Module type : Function

Return type : **boolean**

Input arguments : **newService : Service**

Output arguments : None

Error messages : invalid service

Files accessed : None

Files changed : None

Modules called : MemberList.GetMember(integer memberID)

ProviderList.GetProvider(integer providerID)

ProviderDirectory.GetServiceInfo(integer serviceCode)

ServiceList.AddService(Service newService)

Narrative : This method adds a new service.

public boolean AddService(Service newService)

{

boolean success = false;

try

{

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

&& null != providerList.GetProvider(newService.GetProviderID())

&& null != providerDirectory

.GetServiceInfo(newService.GetServiceCode()))

{

Success = ServiceList.AddService(service);

}

else throw new Exception(“invalid service”);

}

catch (Exception e)

{

//record exception

Success = false;

}

return success;

}

1. **public boolean AddServiceInfo(Service newServiceInfo)**

Module name : **AddServiceInfo**

Module type : Function

Return type : **boolean**

Input arguments : **newServiceInfo : ServiceInfo**

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.AddServiceInfo(ServiceInfo serviceInfo)

Narrative : This method adds a new service info.

public boolean AddServiceInfo(Service newServiceInfo)

{

boolean success = false;

try

{

Success = ProviderDirectory.AddServiceInfo(newServiceInfo);

}

catch (Exception e)

{

//record exception

Success = false;

}

return success;

}

1. **public List<ServiceInfo> GetAllServiceInfo( )**

Module name : **GetAllServiceInfo**

Module type : Function

Return type : **List<ServiceInfo>**

Input arguments : None

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.GetAllServiceInfo( )

Narrative : This method returns all available service info.

public List<ServiceInfo> AddServiceInfo()

{

List<ServiceInfo> serviceInfoList = new List<ServiceInfo>();

try

{

serviceInfoList = ProviderDirectory.GetAllServiceInfo();

}

catch (Exception e)

{

//record exception

serviceInfoList = null;

}

return serviceInfoList;

}

1. **public boolean UpdateServiceInfo(ServiceInfo updatedServiceInfo)**

Module name : **GetAllServiceInfo**

Module type : Function

Return type : **boolean**

Input arguments : updatedServiceInfo : serviceInfo

Output arguments : None

Error messages : None

Files accessed : None

Files changed : None

Modules called : ProviderDirectory.UpdateServiceInfo(ServiceInfo updatedServiceInfo)

Narrative : This method updates an existing service info.

public Boolean UpdateServiceInfo(ServiceInfo updatedServiceInfo)

{

boolean success = false;

try

{

success = ProviderDirectory.UpdateServiceInfo(updatedServiceInfo);

}

catch (Exception e)

{

//record exception

success = false;

}

return success;

}

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

Module name : **GetAllServiceInfo**

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.DeleteServiceInfo(integer serviceCode)

Narrative : This method deletes an existing service info.

public Boolean DeleteServiceInfo(integer serviceCode)

{

boolean success = false;

try

{

success = ProviderDirectory.DeleteServiceInfo(serviceCode);

}

catch (Exception e)

{

//record exception

success = false;

}

return success;

}