Subsemnata Bulboaca Maria declar pe propria raspundere ca acest cod nu a fost copiat din Internet sau din alte surse.

Pentru documentare am folosit urmatoarele surse:

- https://profs.info.uaic.ro/~iasimin/Laborator%20C%20S%20H/Laborator%20WCF%202020.pdf

Documentatie ObjectWCF

Pentru inceput am adaugat referinta la proiectul cu baza de date.

```csharp
using Database;
using System.Collections.Generic;
using System.ServiceModel;
```

In acest proiect am creat interfetele pentru serviciu:

- InterfaceItem

```csharp
[ServiceContract]
interface InterfaceItem
{
    [OperationContract]
    int AddItem(Item item);

    [OperationContract]
    Item GetById(int id);

    [OperationContract]
    void RemoveItem(int id);

    [OperationContract]
    List<Item> GetAllItems();

    [OperationContract]
    string UpdateItem(int id, Item newItem);

    [OperationContract]
    List<Item> FilterItems(FilterModel filter);
}
```

- InterfacePerson

```
[ServiceContract]
1 reference
interface InterfacePerson
{
    [OperationContract]
    1 reference
    int AddPerson(Person person);

    [OperationContract]
    1 reference
    List<Person> GetPersonsForItem(int id);

    [OperationContract]
    1 reference
    List<string> GetNamePersons();

    [OperationContract]
    1 reference
    int VerifyIfPersonExist(int id, string name);

    [OperationContract]
    1 reference
    void RemovePersons(int id);

    [OperationContract]
    1 reference
    void RemovePerson(Person person);
}
```

- IItemPerson

```
[ServiceContract]
1 reference
interface IItemPerson: InterfaceItem, InterfacePerson
{
}
```

Apoi am implementat metodele din interfata IItemPerson.

```csharp
1 reference
public class ItemPerson : IItemPerson
{
    1 reference
    public int AddItem(Item item) => item.AddItem();

    1 reference
    public int AddPerson(Person person) => person.AddPerson();

    1 reference
    public List<Item> FilterItems(FilterModel filter)...

    1 reference
    public List<Item> GetAllItems()...

    1 reference
    public Item GetById(int id)...

    1 reference
    public List<string> GetNamePersons()...

    1 reference
    public List<Person> GetPersonsForItem(int id)...

    1 reference
    public void RemoveItem(int id)...

    1 reference
    public void RemovePerson(Person person)...

    1 reference
    public void RemovePersons(int id)...

    1 reference
    public string UpdateItem(int id, Item newItem)...

    1 reference
    public int VerifyIfPersonExist(int id, string name)...
}
```