



BTK
AKADEMİ

Programlama - II

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Bölüm 14

Koleksiyonlar (2)

Giriş

İçerik

- Dictionary<TKey,TValue>
- SortedList<TKey,TValue>
- ObservableCollection<T>
- HashSet<T>

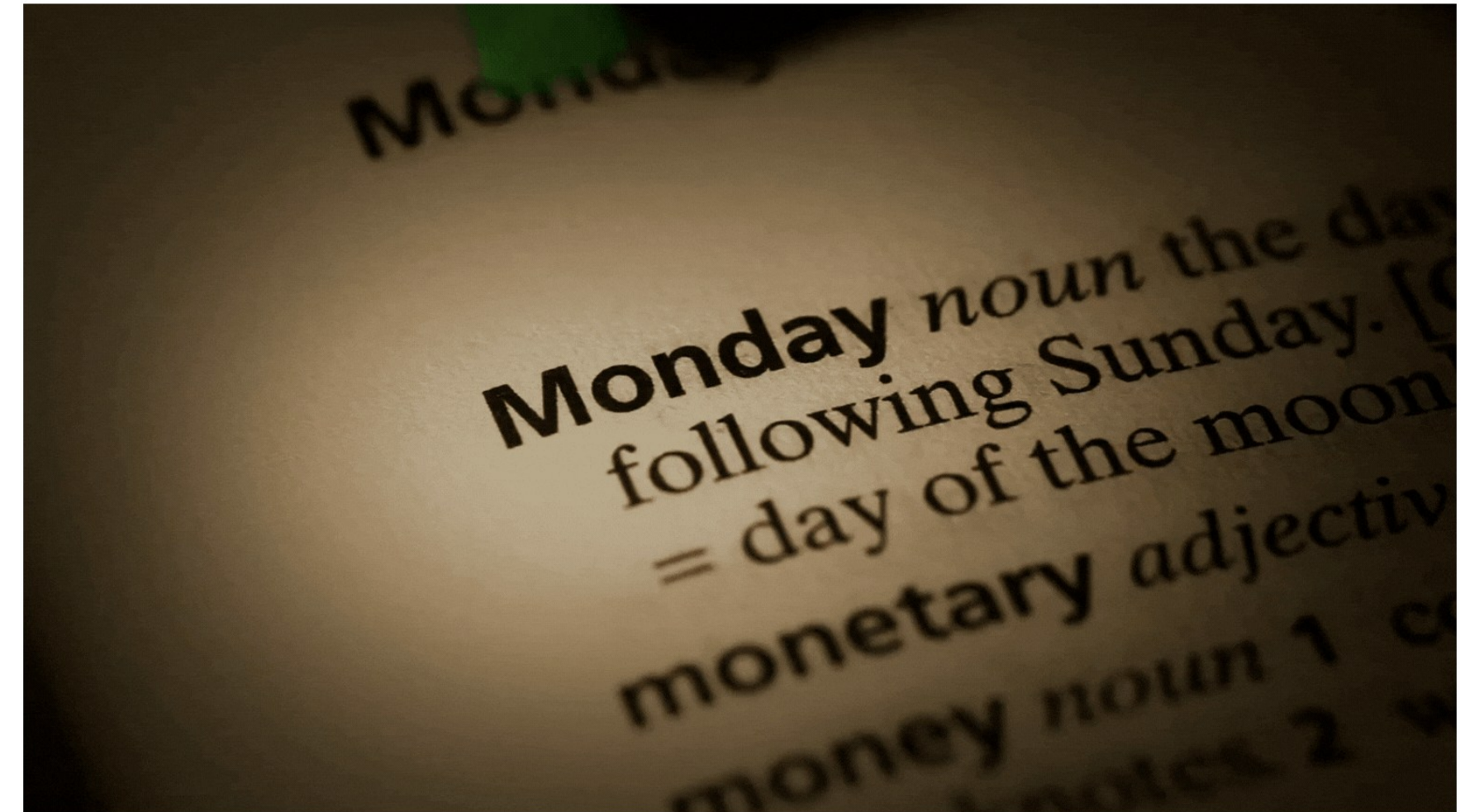
Dictionary<TKey,TValue>

Anahtar değer yapısı

Hızlı erişim

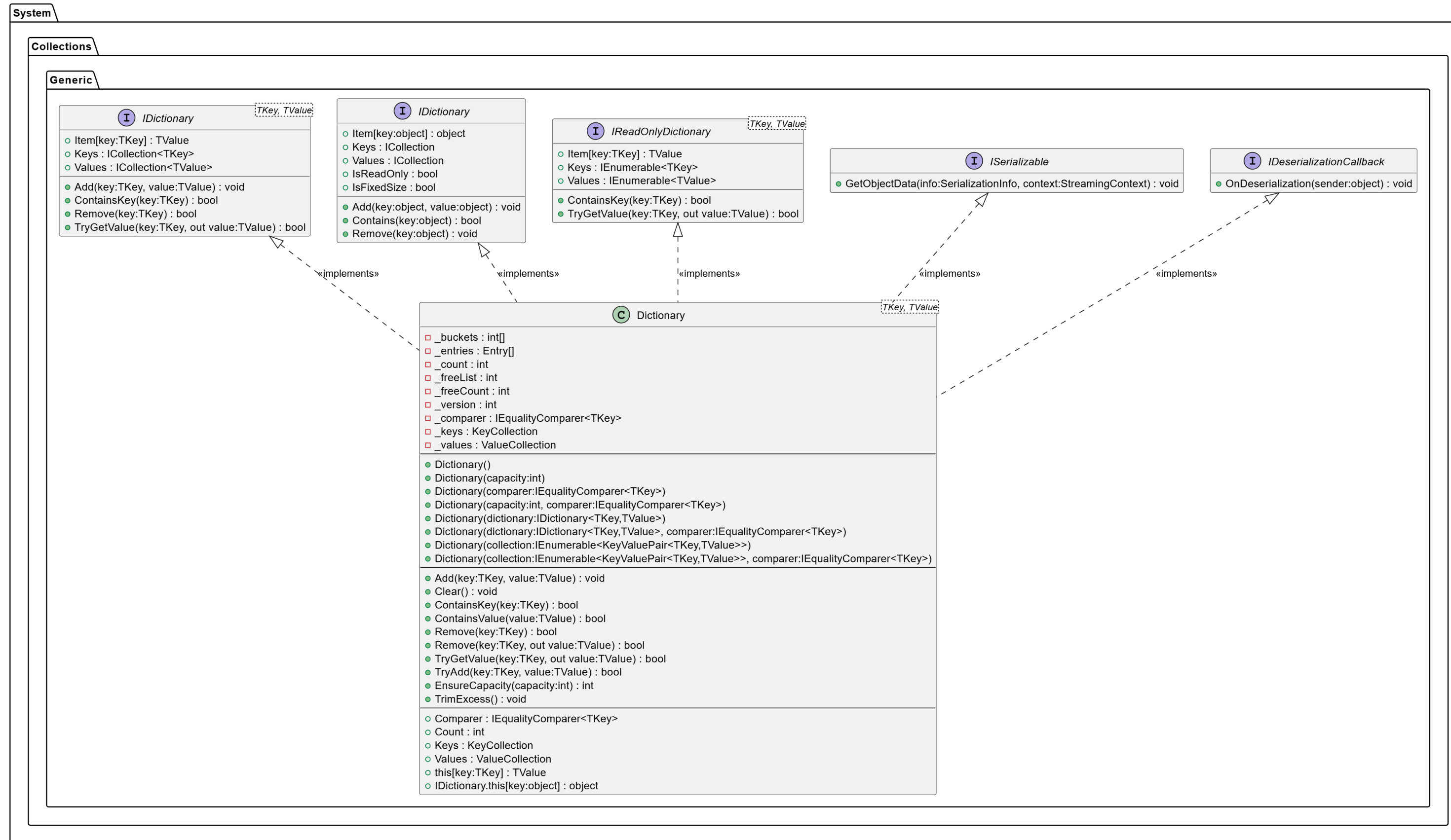
Anahtar zorunluluğu

Dizinleme mantığı



Dictionary<TKey,TValue>

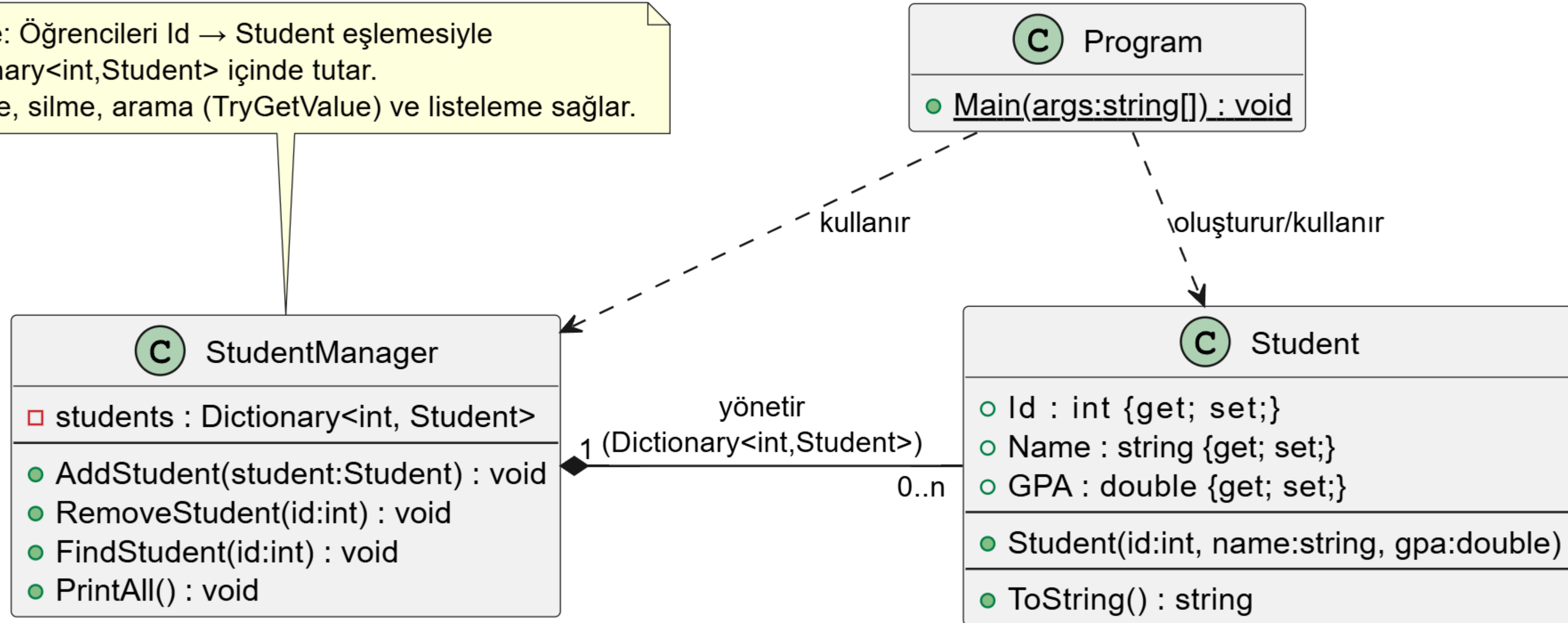
Dictionary<TKey, TValue> - UML Class Diagram (C#)



Dictionary<TKey,TValue>

Dictionary App

Türkçe: Öğrencileri Id → Student eşlemesiyle Dictionary<int,Student> içinde tutar.
Ekleme, silme, arama (TryGetValue) ve listeleme sağlar.



SortedList<TKey,TValue>

Anahtar değer yapısı

Sıralı depolama

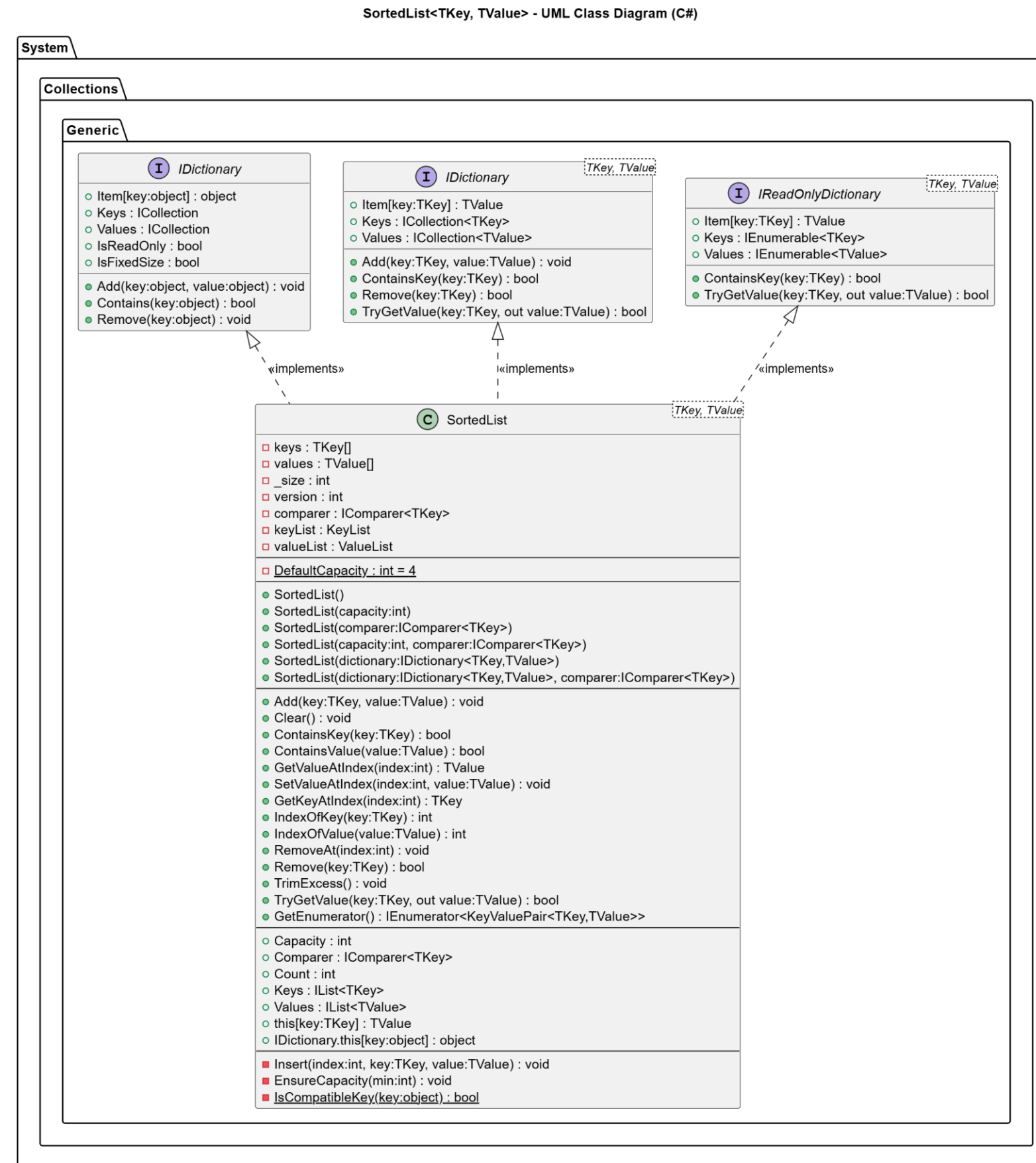
Hızlı erişim ve arama

İndeks tabanlı erişim

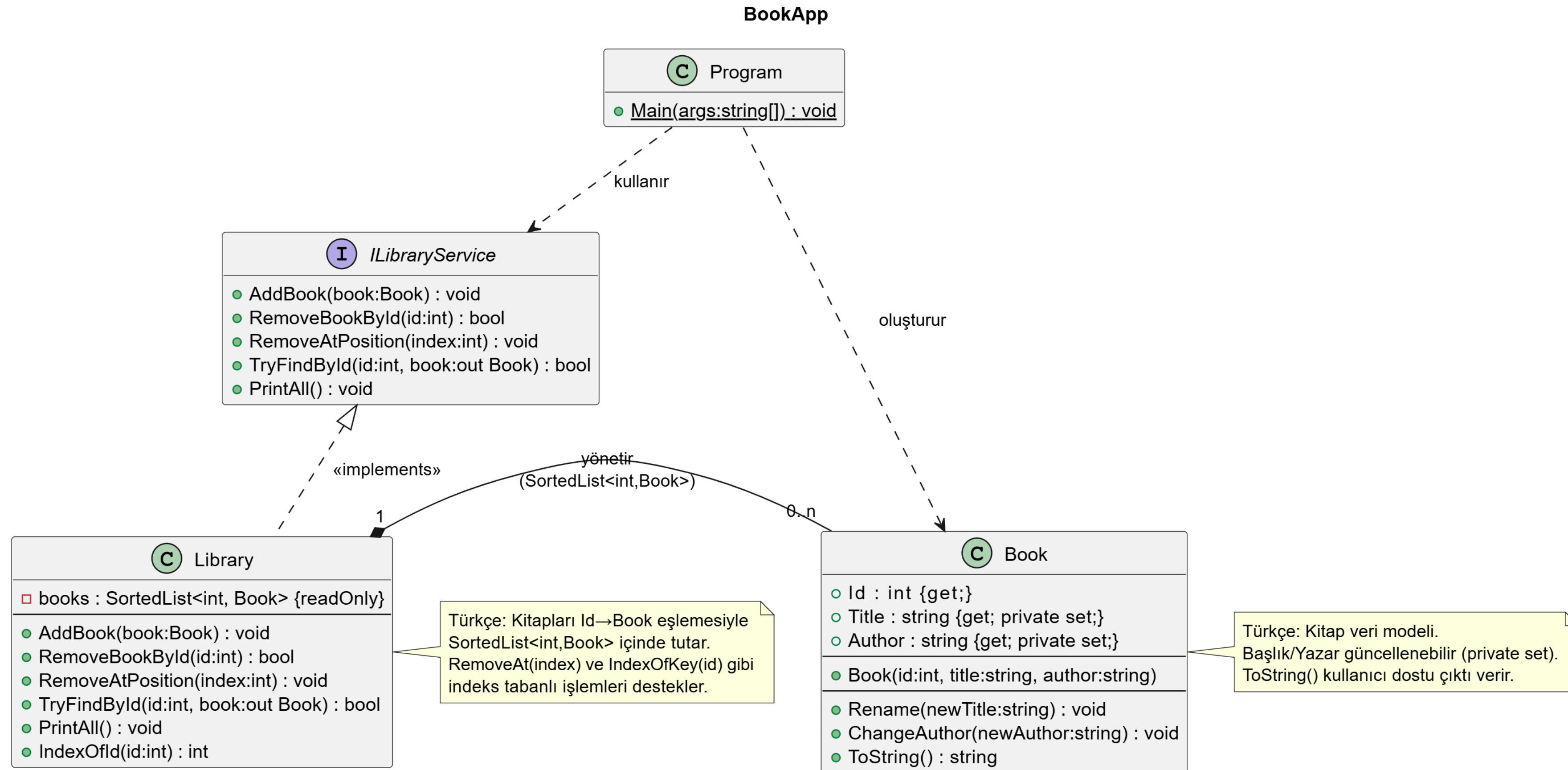


TASE	8176.180	-0.42%	-34.110	8210.290	8165.900	~ Sell
GNRI	9886.86	-0.75%	-74.69	9982.57	9880.90	~ Buy
BSEX	1349.610	0.26%	3.550	1352.220	1346.060	~ Buy
NSE30	1602.31	-1.66%	-27.03	1629.34	1602.05	~ Sell
EGX30	15924.10	0.39%	61.20	15983.90	15862.90	~ Buy
BIST	76719.32	2.60%	2048.67	78766.07	76437.45	~ Sell

SortedList<TKey,TValue>



SortedList<TKey,TValue>



ObservableCollection<T>

Bildirim mekanizması

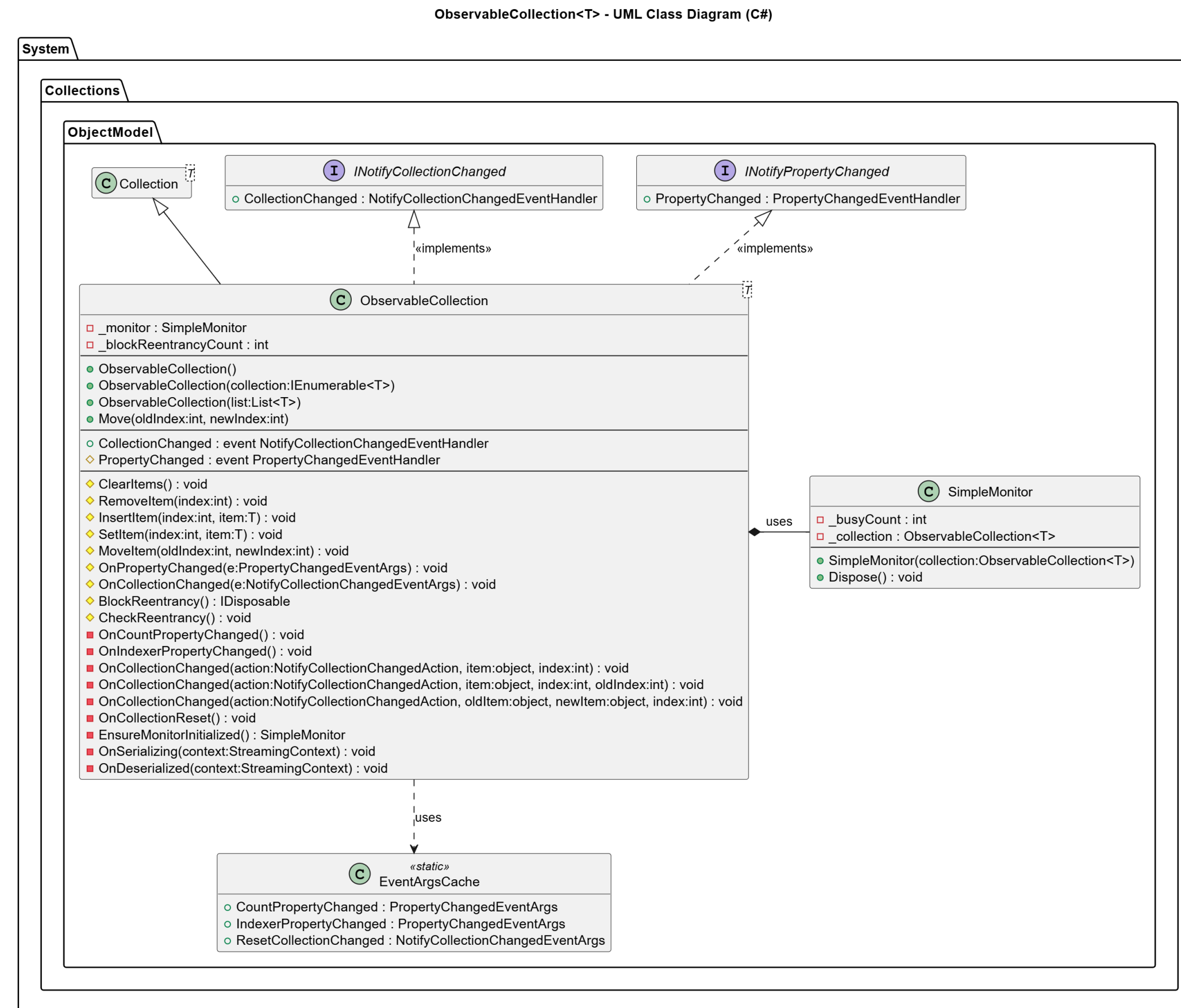
INotifyCollectionChanged

INotifyPropertyChanged

UI Entegrasyonu

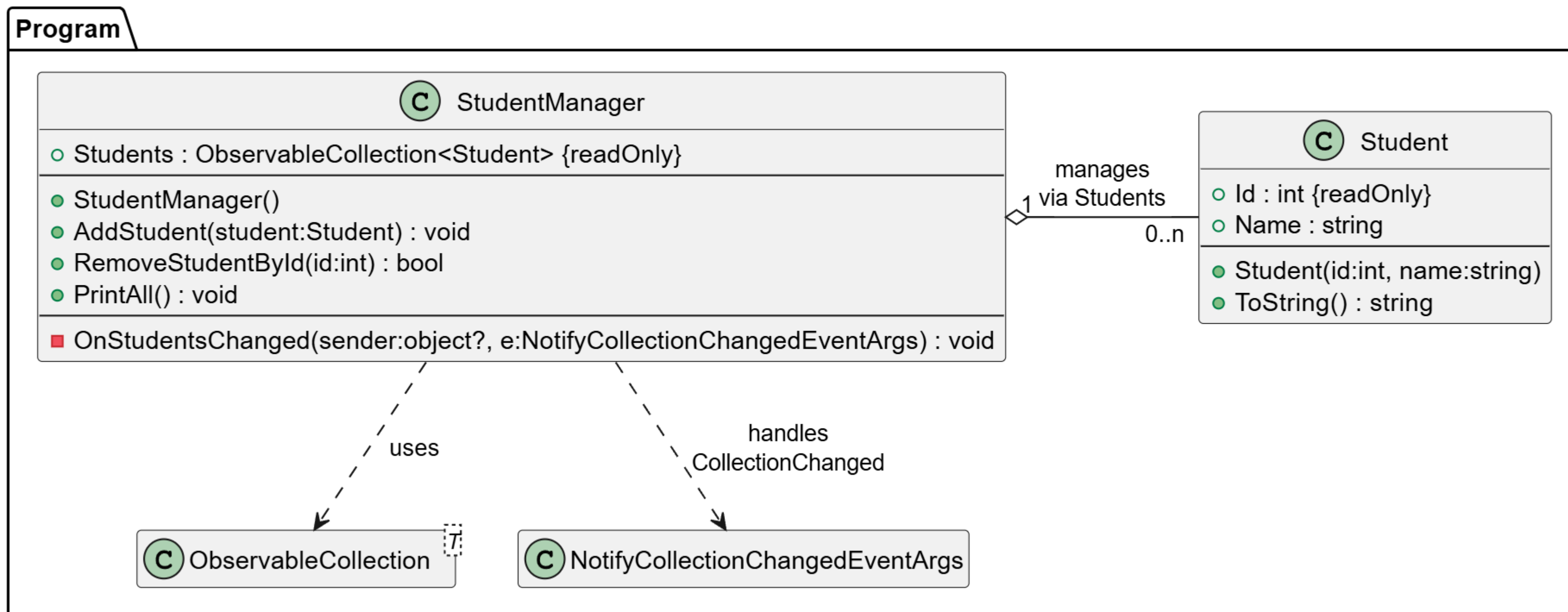


ObservableCollection<T>



ObservableCollection<T>

StudentManager & ObservableCollection<Student> - UML Class Diagram (C#)



HashSet<T>

Benzersizlik

Sırasızlık

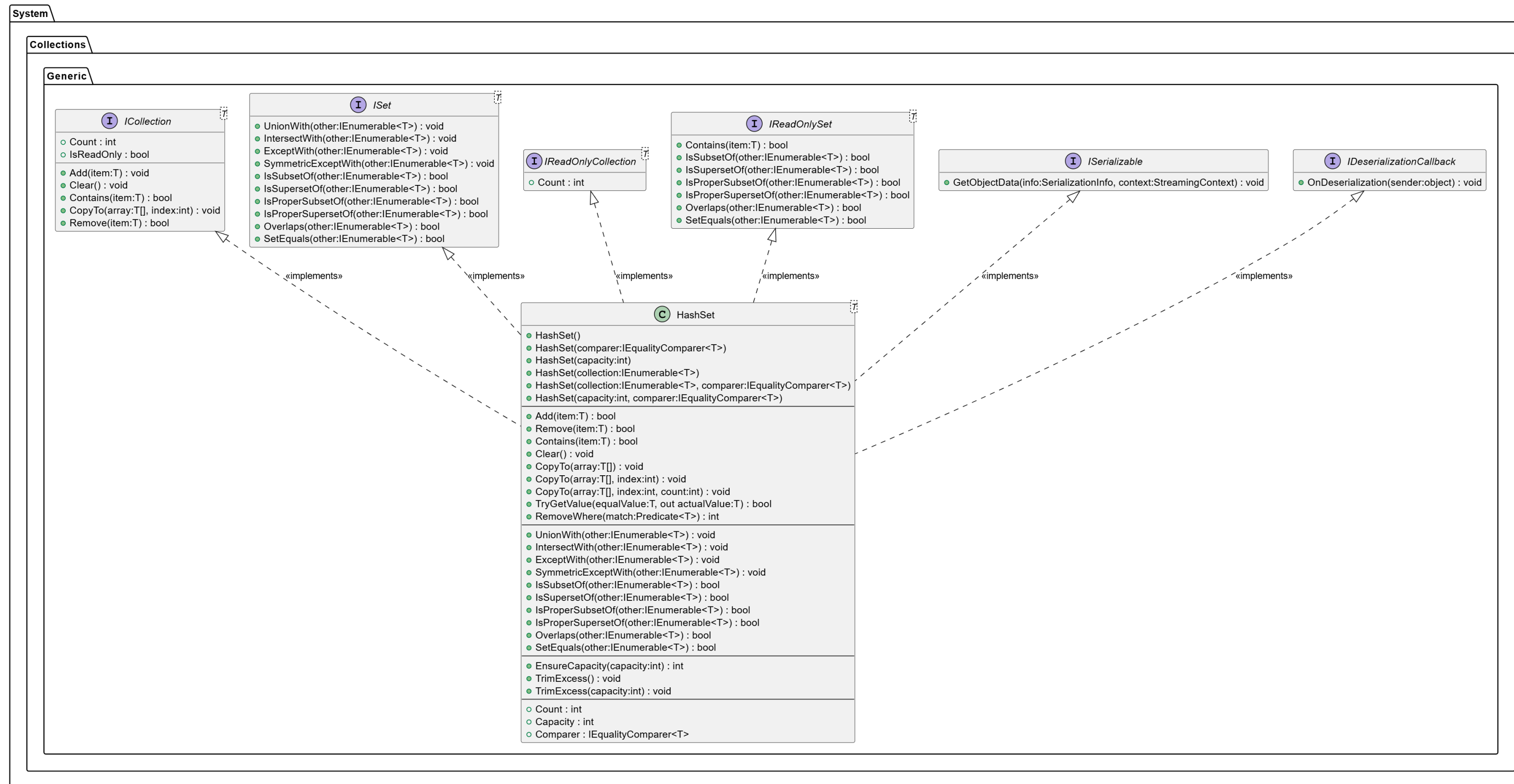
Hızlı Arama

Küme işlemleri



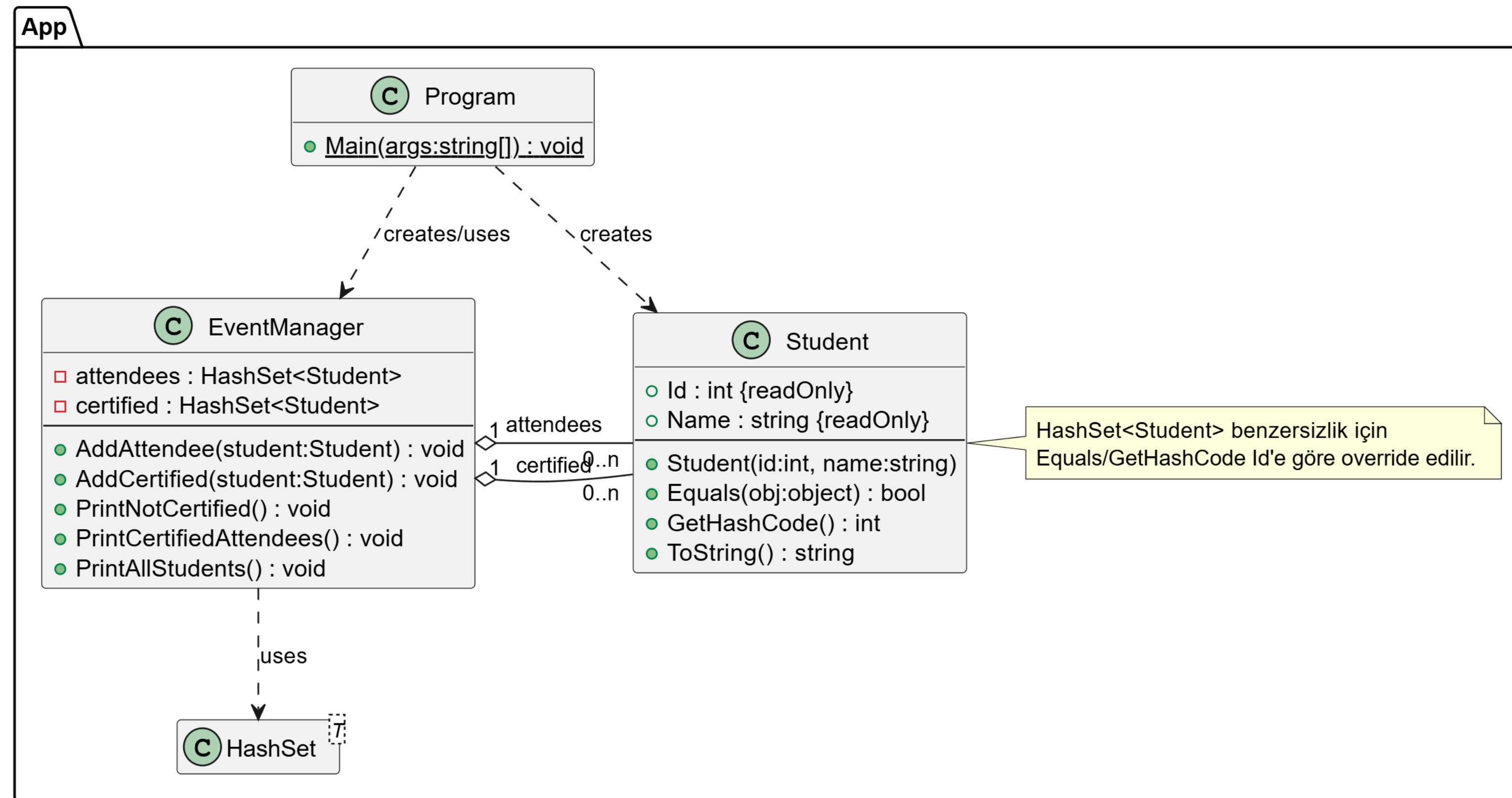
HashSet<T>

HashSet<T> - UML Class Diagram (C#)



HashSet<T>

EventManager & HashSet<Student> - UML Class Diagram (C#)



Teşekkürler

ZAFER CÖMERT
Öğretim Üyesi