LegoManager Class Diagram

Program
class

Methods
- Main()

Controllers
class

Properties:
- private LegoView legoView
- private LegoRepository legoRepository

Methods
- Run()
- CreateLego()
- ShowAllLegos()
- SearchLegos()
- UpdateLegoSets()
- DeleteLegoSet()

Repository
class

Properties:
- private Lego[] legos

Methods
- LegoRepository()
- CreateLego(Lego lego)
- RetrieveAllLegos()
- RetrieveLegoByID(int LegoID)
- DeleteLego(intLegoID)
- EditLego(Lego lego)
- VerifySpace()

Lego
class

Properties:
- LegoID
- SetName
- ReleaseYear
- CurrentValue
- NumberOfPieces
- NumberOfSetsOwned

LegoView
class

Properties:
- private UserInputOutput userInPutOutput

Methods
- LegoView()
- ShowMenuAndGetUserChoice()
- GetNewLego()
- DisplayLego(Lego lego)
- GetLegoID()
- ShowActionSuccess(string actionName)
- ArrayFull()
- ConfirmDelete()
- ArrayNull()

UserInputOutput
class

Methods
- ReadString(string prompt)
- ReadInt(string prompt, int min, int max)
- ReadYear(string prompt, int min, int max)
- ReadPieces(string prompt)
- ReadSetsOwned(string prompt)
- ReadDouble(string prompt)
- ReadKey()