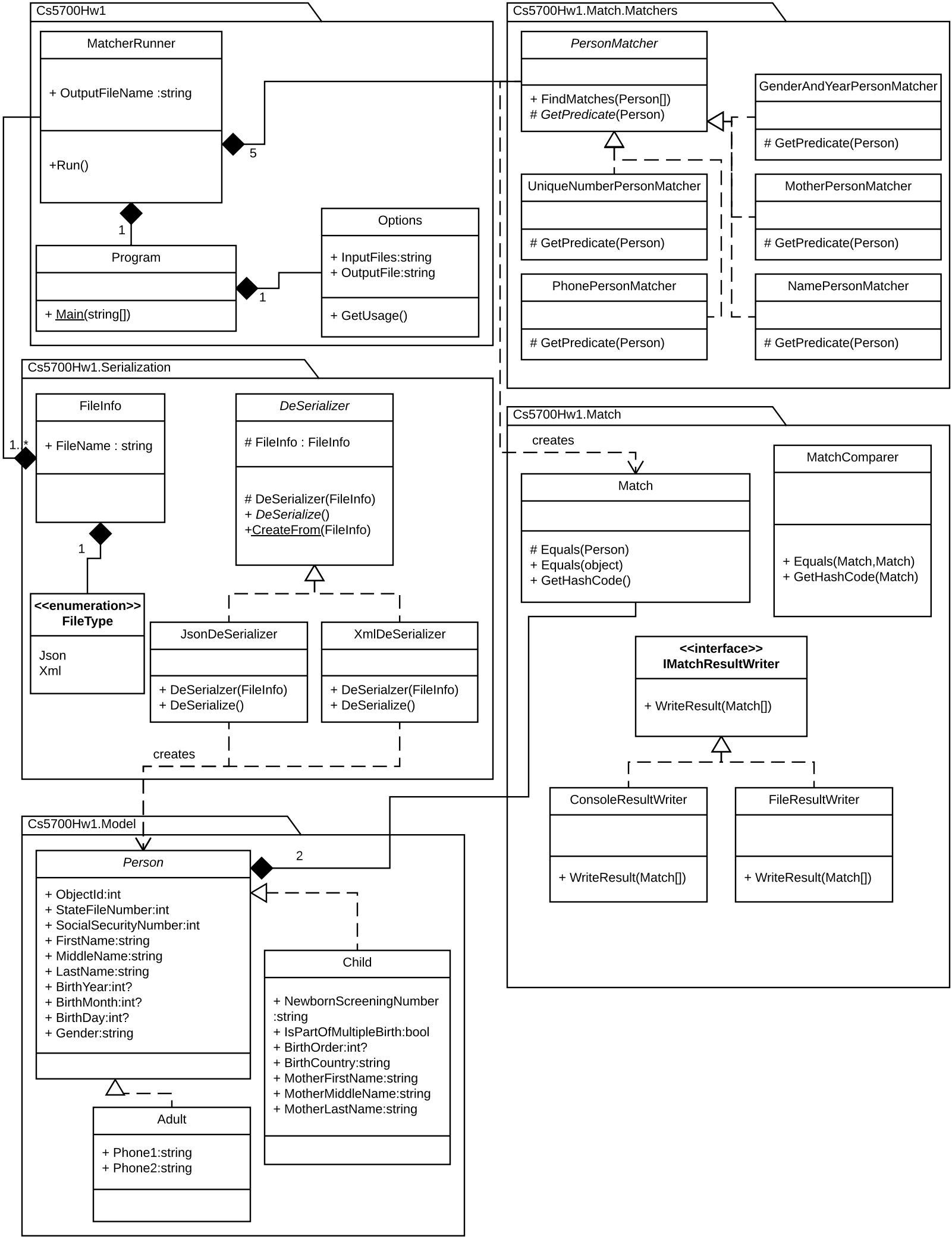
Cs5700Hw1
MatcherRunner
+ OutputFileName :string
+Run()
5
1
Program
+ Main(string[])
1
Options
+ InputFiles:string
+ OutputFile:string
+ GetUsage()
Cs5700Hw1.Match.Matchers
PersonMatcher
+ FindMatches(Person[])
# GetPredicate(Person)
GenderAndYearPersonMatcher
GetPredicate(Person)
UniqueNumberPersonMatcher
GetPredicate(Person)
MotherPersonMatcher
GetPredicate(Person)
PhonePersonMatcher
GetPredicate(Person)
NamePersonMatcher
GetPredicate(Person)
Cs5700Hw1.Serialization
FileInfo
+ FileName : string
1..*
1
DeSerializer
FileInfo : FileInfo
DeSerializer(FileInfo)
+ DeSerialize()
+CreateFrom(FileInfo)
<<enumeration>>
FileType
Json
Xml
JsonDeSerializer
+ DeSerialzer(FileInfo)
+ DeSerialize()
XmlDeSerializer
+ DeSerialzer(FileInfo)
+ DeSerialize()
creates
Cs5700Hw1.Match
creates
Match
Equals(Person)
+ Equals(object)
+ GetHashCode()
MatchComparer
+ Equals(Match,Match)
+ GetHashCode(Match)
<<interface>>
IMatchResultWriter
+ WriteResult(Match[])
ConsoleResultWriter
+ WriteResult(Match[])
FileResultWriter
+ WriteResult(Match[])
Cs5700Hw1.Model
Person
+ ObjectId:int
+ StateFileNumber:int
+ SocialSecurityNumber:int
+ FirstName:string
+ MiddleName:string
+ LastName:string
+ BirthYear:int?
+ BirthMonth:int?
+ BirthDay:int?
+ Gender:string
2
Child
+ NewbornScreeningNumber :string
+ IsPartOfMultipleBirth:bool
+ BirthOrder:int?
+ BirthCountry:string
+ MotherFirstName:string
+ MotherMiddleName:string
+ MotherLastName:string
Adult
+ Phone1:string
+ Phone2:string