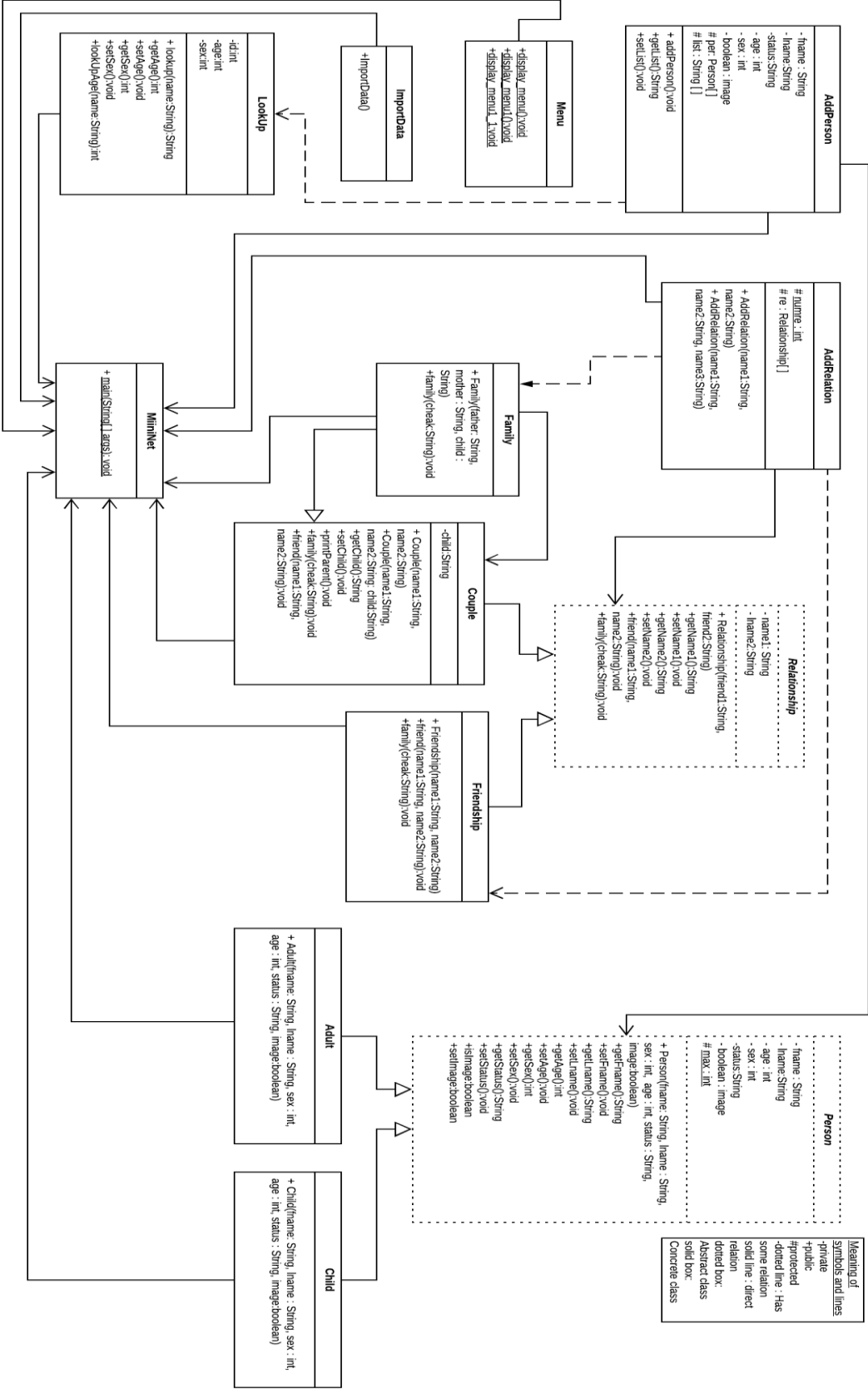# School of Computer Science and Information Technology.

RMIT

COSC1295 Advanced Programming

Assignment 1

Submitted by:

Student Name: Shuai Gao   (s3596156)   50% of contribution

                 Vijeta Tulsiyan (s3398979)   50% of contribution

AddPerson

- fname : String
- lname:String
-status:String
- age : int
- sex : int
- boolean : image
per :Person[]
list : String [ ]

+ addPerson():void
+getList():String
+setList():void

Menu

+display_menu():void
+display_menu1():void
+display_menu1_1:void

ImportData

+ImportData()

LookUp

-id:int
-age:int
-sex:int

+ lookup(name:String):String
+getAge():int
+setAge():void
+getSex():int
+setSex():void
+lookUpAge(name:String):int

AddRelation

name : int
re : Relationship [ ]

+ AddRelation(name1:String, name2:String)
+ AddRelation(name1:String, name2:String, name3:String)

MiniNet

+ main(String[] args):void

Family

+ Family(father: String, mother : String, child : String)
+family(cheak:String):void

Couple

-child:String

+ Couple(name1:String, name2:String)
+ Couple(name1:String, name2:String, child:String)
+getChild():String
+setChild():void
+printParent():void
+family(cheak:String):void
+friend(name1:String, name2:String):void

Relationship

- name1 :String
- name2 :String

+ Relationship(friend1:String, friend2:String)
+getName1():String
+setName1():void
+getName2():String
+setName2():void
+friend(name1:String, name2:String):void
+family(cheak:String):void

Friendship

+ Friendship(name1:String, name2:String)
+friend(name1:String, name2:String):void
+family(cheak:String):void

Person

- fname : String
- lname :String
- age : int
- sex : int
-status:String
- boolean : image
max : int

+ Person(fname: String, lname : String, sex : int, age : int, status : String, image:boolean)
+getFname():String
+setFname():void
+getLname():String
+setLname():void
+getAge():int
+setAge():void
+getSex():int
+setSex():void
+getStatus():String
+setStatus():void
+isImage:boolean
+setImage:boolean

Adult

+ Adult(fname: String, lname : String, sex : int, age : int, status : String, image:boolean)

Child

+ Child(fname: String, lname : String, sex : int, age : int, status : String, image:boolean)

Meaning of
symbols and lines
-:private
+:public
#:protected
-.-.dotted line : Has
solid line : direct
relation
some relation
dotted line :
dotted box: Abstract class
solid box: Concrete class

Contribution:

(50%)Vijeta Tulsiyan (s3398979):

1. Class diagram
2. Menu(class)
3. Person(class)
4. Adult(class)
5. Child(class)
6. ImportData(class)
7. MiniNet(main class)

(50%)Shuai Gao (s3596156):

1. AddPerson(class)
2. AddRelation(class)
3. Relationship(class)
4. Friendship(class)
5. Couple(class)
6. Family(class)
7. LookUp(main class)