1. the changes if you use a different design compared to your assignment 1.

We have five classes in assignment 1 which are Person, Adult, Dependent, Mininet and Driver. According to the assignment 2 requirement, we add some classes to implement all functions. We change Mininet and Driver class to view package to make sure the project runs successfully. People.txt and relation.txt is included in this assignment as well as database if there is no people.txt connected. When you run the program, you can add two people's relationship via the GUI, and the information will be updated in relation.txt. The class that implements this functionality is the ConnectPerson.After deleting the person, all the information about the person and who connected with him will be updated to the text file.The Interface(GUI) is running inside the view package.View package is divided into the following classes: addPerson, app, Confirm,ConnectPerson,DataBaseConn,DirectlyConnected, FinalConfim, ListPerson, Driver, Mininet and selectPerson. There is also a lib package.This is the class of all the exceptions.

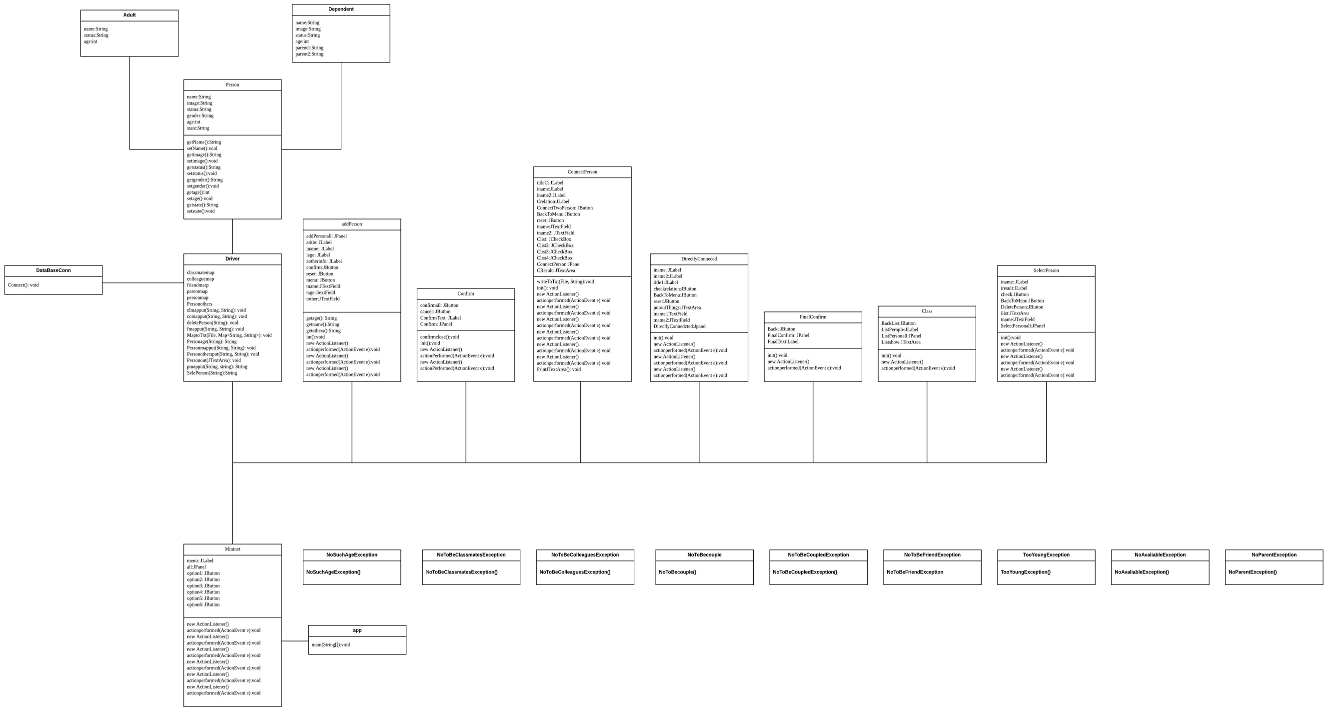
2. Explain how the new classes are organized

According to assignment 2 requirement, for each function, each class, and each package were carefully divided. We divided three packages of this project. All of the GUI functions are in the package of view.The exception is thrown in the lib package. Classed of model involving Adult, Dependent and Person.

3. Explain the process by which your program will interact with user and external data source to run a game.

In this program we added two TXT files which are people.txt and relation.txt and database.

When the program is running, the information can be read through the txt documents.The document that stores personal information is that named people.txt. When the people.txt file cannot be found, the information is retrieved from the database.When a person is added or deleted, all information about the person is updated in documents as well .


Adult
name:String
status:String
age:int
Dependent
name:String
image:String
status:String
age:int
parent1:String
parent2:String
Person
name:String
image:String
status:String
gender:String
age:int
state:String
getName():String
setName():void
getimage():String
setimage():void
getstatus():String
setstatus():void
getgender():String
setgender():void
getage():int
setage():void
getstate():String
setstate():void
DataBaseConn
Connect(): void
Driver
classmatemap
colleaguemap
friendmarp
parentmap
personmap
Personothers
clmapput(String, String): void
comapput(String, String): void
deletePerson(String): void
fmapput(String, String): void
MaptoTxt(File, Map<String, String>): void
Personage(String): String
Personmapput(String, String): void
Personothersput(String, String): void
Personout(JTextArea): void
pmapput(String, string): String
SelePerson(String):String
addPerson
addPersonall: JPanel
atitle: JLabel
iname: JLabel
iage: JLabel
aotherinfo: JLabel
confirm:JButton
reset: JButton
menu: JButton
tname:JTextField
tage:JtextField
tother:JTextField
getage(): String
getname():String
getothers():String
int():void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
Confirm
confirmall: JButton
cancel: JButton
ConfirmText: JLabel
Confirm: JPanel
confirmclose():void
init():void
new ActionListener()
actionPerformed(ActionEvent e):void
new ActionListener()
actionPerformed(ActionEvent e):void
ConnectPerson
titleC: JLabel
iname:JLabel
iname2:JLabel
Crelation:JLabel
ConnectTwoPerson: JButton
BackToMenu:JButton
reset: JButton
tname:JTextField
tname2: JTextField
Clist: JCheckBox
Clist2: JCheckBox
Clist3:JCheckBox
Clist4:JCheckBox
ConnectPerson:JPane
CResult: JTextArea
writeToTxt(File, String):void
init(): void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
PrintJTextArea(): void
DirectlyConneced
iname: JLabel
iname2:JLabel
title1:JLabel
checkrelation:JButton
BackToMenu:JButton
reset:JButton
putoutThings:JTextArea
tname:JTextField
tname2:JTextField
DirectlyConnedcted:Jpanel
init():void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
FinalConfirm
Back: JButton
FinalConfirm: JPanel
FinalText:Label
init():void
new ActionListener()
actionperformed(ActionEvent e):void
Class
BackList:JButton
ListPerople:JLabel
ListPersonall:JPanel
Listshow:JTextArea
init():void
new ActionListener()
actionperformed(ActionEvent e):void
SelectPerson
iname: JLabel
iresult:JLabel
check:JButton
BackToMenu:JButton
DeletePerson:JButton
ilist:JTextArea
tname:JTextField
SelectPersonall:JPanel
init():void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
Mininet
menu: JLabel
all:JPanel
option1: JButton
option2: JButton
option3: JButton
option4: JButton
option5: JButton
option6: JButton
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
new ActionListener()
actionperformed(ActionEvent e):void
app
main(String[]):void
NoSuchAgeException
NoSuchAgeException()
NoToBeClassmatesException
NoToBeClassmatesException()
NoToBeColleaguesException
NoToBeColleaguesException()
NoToBecouple
NoToBecouple()
NoToBeCoupledException
NoToBeCoupledException()
NoToBeFriendException
NoToBeFriendException
TooYoungException
TooYoungException()
NoAvaliableException
NoAvaliableException()
NoParentException
NoParentException()