**package** phase\_two;

**import** javax.swing.JOptionPane;

**import** java.io.\*;

**import** java.util.\*;

**import** java.text.\*;

**public** **class** phase\_two

{

**public** **static** **void** main(String[] args)

{

//Patient parallel array

**int**[] pnumber=**new** **int**[100];

String[] pfirstname=**new** String[100];

String[] plastname=**new** String[100];

**double**[] paccountbalance=**new** **double**[100];

**int**[] page=**new** **int**[100];

**int** pcount=-1;

pcount=*begin\_read\_patient*(pcount,pnumber,pfirstname,plastname,paccountbalance,page);

//Doctor parallel array

**int**[] dnumber=**new** **int**[100];

String[] dfirstname=**new** String[100];

String[] dlastname=**new** String[100];

String[] dspeciality=**new** String[100];

**int** dcount=-1;

dcount=*begin\_read\_doctor*(dcount,dnumber,dfirstname,dlastname,dspeciality);

//Medical parallel array

**int**[] patientnumber=**new** **int**[100];

**int**[] doctornumber=**new** **int**[100];

String[] adate=**new** String[100];

**double**[] acost=**new** **double**[100];

**int** mcount=-1;

mcount=*begin\_read\_medical*(mcount,patientnumber,doctornumber,adate,acost);

**int** selection;

selection = *main\_menu*();

**while** (selection != 5)

{

**if** (selection == 1)

*modify\_patient*();

**else**

**if** (selection == 2)

*modify\_physician*();

**else**

**if** (selection == 3)

*modify\_medical*();

**else**

**if** (selection == 4)

*report\_section*(pcount,pnumber,pfirstname,plastname, paccountbalance, page,

dcount,dnumber,dfirstname,dlastname, dspeciality,mcount,patientnumber,

doctornumber,adate,acost);

selection = *main\_menu*();

}

*exit\_upmc*();

System.*exit*(0);

}

**public** **static** **int** begin\_read\_patient(**int** pcount,**int**[]pnumber,String[]pfirstname,String[]plastname,

**double**[]paccountbalance,**int**[]page)

{

//TAKE OU TEXT LINE

//System.out.println("The modify\_patient method has been executed.");

String newLine;

**try**

{

BufferedReader lumber\_file = **new** BufferedReader(**new** FileReader("patient.dat"));

**while** ((newLine = lumber\_file.readLine()) != **null**)

{

StringTokenizer delimiter = **new** StringTokenizer(newLine,"#");

pcount=pcount+1;

pnumber[pcount] = Integer.*parseInt*(delimiter.nextToken());

pfirstname[pcount] =delimiter.nextToken();

plastname[pcount] =delimiter.nextToken();

paccountbalance[pcount] = Double.*parseDouble*(delimiter.nextToken());

page[pcount] = Integer.*parseInt*(delimiter.nextToken());

}

lumber\_file.close();

}

**catch** (IOException error)

{

System.***out***.println("Error on file read " + error);

}

**return** pcount;

}

**public** **static** **int** begin\_read\_doctor(**int** dcount,**int**[]dnumber,String[]dfirstname,String[]dlastname,

String[]dspeciality)

{

String newLine;

**try**

{

BufferedReader lumber\_file = **new** BufferedReader(**new** FileReader("doctor.dat"));

**while** ((newLine = lumber\_file.readLine()) != **null**)

{

StringTokenizer delimiter = **new** StringTokenizer(newLine,"#");

dcount=dcount+1;

dnumber[dcount] = Integer.*parseInt*(delimiter.nextToken());

dfirstname[dcount] =delimiter.nextToken();

dlastname[dcount] =delimiter.nextToken();

dspeciality[dcount] =delimiter.nextToken();

}

lumber\_file.close();

}

**catch** (IOException error)

{

System.***out***.println("Error on file read " + error);

}

**return** dcount;

}

**public** **static** **int** begin\_read\_medical(**int** mcount,**int**[]patientnumber,**int**[]doctornumber,String[]adate,

**double**[]acost)

{

String newLine;

**try**

{

BufferedReader lumber\_file = **new** BufferedReader(**new** FileReader("medical.dat"));

**while** ((newLine = lumber\_file.readLine()) != **null**)

{

StringTokenizer delimiter = **new** StringTokenizer(newLine,"#");

mcount=mcount+1;

patientnumber[mcount] = Integer.*parseInt*(delimiter.nextToken());

doctornumber[mcount] = Integer.*parseInt*(delimiter.nextToken());

adate[mcount] =delimiter.nextToken();

acost[mcount] = Double.*parseDouble*(delimiter.nextToken());

}

lumber\_file.close();

}

**catch** (IOException error)

{

System.***out***.println("Error on file read " + error);

}

**return** mcount;

}

**public** **static** **int** main\_menu()

{

**int** selection;

String value, words;

words= "1. Add/Modify Patient Information" + "\n "

+"2. Add/Modify Physician Information" + "\n "

+"3. Add/Modify Medical Information" + "\n "

+"4. Hospital Report Section" + "\n "

+"5. Exit the Medical System" + "\n "

+" Please Make your Selection" + "\n ";

value= JOptionPane.*showInputDialog*(**null**,words,"UPMC Medical Center",JOptionPane.***INFORMATION\_MESSAGE***);

selection= Integer.*parseInt*(value);

**return** selection;

}

**public** **static** **void** modify\_patient()

{

System.***out***.println("Add/Modify Patient Information");

}

**public** **static** **void** modify\_physician()

{

System.***out***.println("Add/Modify Physician Information");

}

**public** **static** **void** modify\_medical()

{

System.***out***.println("Add/Modify Medical Information");

}

**public** **static** **void** report\_section(**int** pcount,**int**[]pnumber,String[]pfirstname,String[]plastname,

**double**[]paccountbalance,**int**[]page,**int** dcount,**int**[]dnumber,String[]dfirstname,String[]dlastname,

String[]dspeciality,**int** mcount,**int**[]patientnumber,**int**[]doctornumber,String[]adate, **double**[]acost)

{

**int** selection;

**int** i = 0;

**int** Rselection;

String value, words;

words= "UPMC Report Section" + "\n "

+"1. All Patient Information" + "\n "

+"2. All Physician Information" + "\n "

+"3. All Medical Information" + "\n "

+"4. Report 4" + "\n "

+"5. Reprot 5" + "\n "

+"6. Report 6" + "\n "

+"7. Report 7" + "\n "

+"8. Report 8" + "\n "

+"9. Report 9" + "\n "

+"10. Exit Report Section" + "\n "

+" Please Make your Selection" + "\n ";

value= JOptionPane.*showInputDialog*(**null**,words,"UPMC Medical Center",JOptionPane.***INFORMATION\_MESSAGE***);

Rselection= Integer.*parseInt*(value);

**while** (Rselection !=10)

{

**if**(Rselection ==1)

{

System.***out***.println("All Patient Information");

System.***out***.println(" =============");

**for**(i=0;i<=pcount;++i)

{

System.***out***.println(pnumber[i]+" "+pnumber[i]+" "+pfirstname[i]+" "+

plastname[i]+" "+paccountbalance[i]+" "+page[i]);

}

}

**else**

**if**(Rselection ==2)

{

System.***out***.println("All Physician Information");

System.***out***.println(" =============");

**for**(i=0;i<=dcount;++i)

{

System.***out***.println(dnumber[i]+" "+dnumber[i]+" " +dfirstname[i]+" "+

dlastname[i]+" "+dspeciality[i]);

}

}

**else**

**if**(Rselection ==3)

{

System.***out***.println("All Medical Information");

System.***out***.println(" =============");

**for**(i=0;i<=mcount;++i)

{

System.***out***.println(patientnumber[i]+" " +doctornumber[i]+" "+

adate[i]+" "+acost[i]);

}

}

**else**

**if**(Rselection ==4)

{

System.***out***.println("Report 4 to be defined in later phase");

}

**else**

**if**(Rselection ==5)

{

System.***out***.println("Report 5 to be defined in later phase");

}

**else**

**if**(Rselection ==6)

{

System.***out***.println("Report 6 to be defined in later phase");

}

**else**

**if**(Rselection ==7)

{

System.***out***.println("Report 7 to be defined in later phase");

}

**else**

**if**(Rselection ==8)

{

System.***out***.println("Report 8 to be defined in later phase");

}

**else**

**if**(Rselection ==9)

{

System.***out***.println("Report 9 to be defined in later phase");

}

value= JOptionPane.*showInputDialog*(**null**,words,"UPMC Medical Center",JOptionPane.***INFORMATION\_MESSAGE***);

Rselection= Integer.*parseInt*(value);

}//end of while loop

}//end report section

**public** **static** **void** exit\_upmc()

{

System.***out***.println("Exiting the Medical System");

}

}







