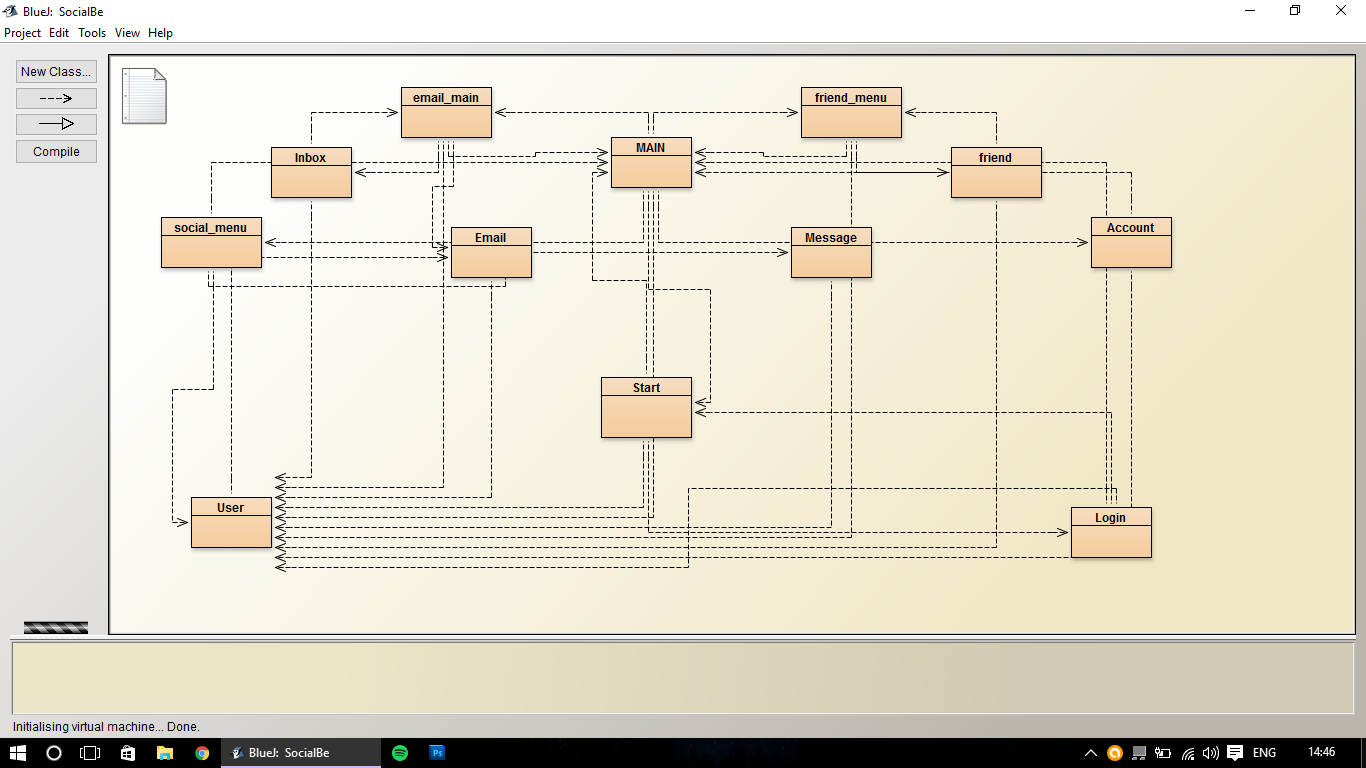
socialbe

# introduction

SocialBe is a social networking application developed in Java which is similar to the famous micro-blogging social networking website, Twitter. In SocialBe, users can create their own accounts and post messages. They can also compose emails to other users of SocialBe. Users can add friends and can see all the messages posted by them.

# structure of project



# execution algorithm

# Start

# Sign-up

# login

# main

# email

# social

# friends

# account

# new email

# inbox

# new message

# feed

# view friends

# add friends

# edit details

# start

## source code:

import java.util.\*;

class Start

{

static User u[]=new User[100];

static int l=0;

static int ctr=0;

public static void main()

{

Scanner ob=new Scanner(System.in);

char a;int i;//declaring variables

System.out.print("\f");

System.out.println("\t\t\t\t ,gg, ,ggggggggggg, ");

System.out.println("\t\t\t\t i8\"\"8i ,dPYb,dP\"\"\"88\"\"\"\"\"\"Y8, ");

System.out.println("\t\t\t\t `8,,8' IP'`YbYb, 88 `8b ");

System.out.println("\t\t\t\t `88' gg I8 8I `\" 88 ,8P ");

System.out.println("\t\t\t\t dP\"8, \"\" I8 8' 88aaaad8P\" ");

System.out.println("\t\t\t\t dP' `8a ,ggggg, ,gggg, gg ,gggg,gg I8 dP 88\"\"\"\"Y8ba ,ggg, ");

System.out.println("\t\t\t\t dP' `Yb dP\" \"Y8gggdP\" \"Yb 88 dP\" \"Y8I I8dP 88 `8bi8\" \"8i ");

System.out.println("\t\t\t\t\_ ,dP' I8 i8' ,8I i8' 88 i8' ,8I I8P 88 ,8PI8, ,8I ");

System.out.println("\t\t\t\t\"888,,\_\_\_\_,dP,d8, ,d8',d8,\_ \_\_,88,\_,d8, ,d8b,,d8b,\_ 88\_\_\_\_\_,d8'`YbadP' ");

System.out.println("\t\t\t\ta8P\"Y88888P\" P\"Y8888P\" P\"\"Y8888PP8P\"\"Y8P\"Y8888P\"`Y88P'\"Y88 88888888P\" 888P\"Y888");

System.out.println("\n\n");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.print("\t\t\t\t(S)ign Up");

System.out.print("\t\t\t\t(L)ogin");

System.out.println("\t\t\t\t(E)xit");

System.out.println("\n\n");

System.out.print("\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);

a=Character.toLowerCase(a);//converting to lowercase

if(Character.isDigit(a))

{

System.out.println("\nPLEASE ENTER THE FIRST CHARACTER OF THE DESIRED OPTION");

for(i=0;i<=2000000000;i++);

main();

}

switch(a)

{

case 's'://case for new User

u[l]=new User();//instantiation of new iinstance of user

l=u[l].newUser();//setting value to variable l

System.out.print("\f");

main();//calling main function

break;

case 'l'://case for login

System.out.print("\f");

System.out.println("LOGIN MODULE INITIATED...");

Login.login(u);//calling login function

break;

case 'e'://case for exit

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;

for(i=0;i<=2000000000;i++);//delay loop

main();

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");//program ends

}

}

}

## variable description:

Start.main( ):

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| u[ ] | User | array of all users |
| l | int | stores value for number of users created |
| ctr | int | control for error handling |
| a | char | stores value entered by user |
| i | int | counter for loop |

# Login

## source code:

import java.util.\*;

class Login

{

public static void login(User u[])

{

String username,password;//declaring variables

User a=new User();boolean p=true;int i;//decalring variables

Scanner ob=new Scanner(System.in);

System.out.print("Enter username:\t");

username=ob.next();//accepting username

System.out.print("Enter password:\t");

password=ob.next();//accepting password

for(i=0;i<=a.ctruser;i++)

{

if(a.user[i].equals(username) && a.pass[i].equals(password))

{

System.out.println("Successful Login");

p=false;

MAIN.main(u,i);//calling funtion main

break;

}

else if(a.user[i].equals(username) && a.pass[i].equals(password)==false)

{

System.out.println("Incorrect Password");

p=false;

Start.main();//calling function main()

break;

}

}

if(p)

{

System.out.println("Invalid User..");

System.out.println("Redirecting to Home...");

for(i=0;i<=2000000000;i++);//delay loop

Start.main();//calling function main()

}//if ends

}//method ends

}

## variable description:

Login.login( )

| Variable | Datatype | Desciption |
| --- | --- | --- |
| u[ ] | User | array of all users |
| a | User | dummy user to check values |
| p | boolean | flag to check if login is successful |
| i | int | counter for loop |

# MAIN

## Source code:

import java.util.\*;

class MAIN

{

static int ctr=0;

public static void main(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

int i;

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)mail");

System.out.println("\n\t\t\t\t\t\t\t\t\t(S)ocial");

System.out.println("\n\t\t\t\t\t\t\t\t\t(F)riends");

System.out.println("\n\t\t\t\t\t\t\t\t\t(M)y Account");

System.out.println("\n\t\t\t\t\t\t\t\t\t(L)ogout");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

char a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

switch(a)

{

case 'e':

email\_main.menu(u,userno);//calling function email\_main.menu()

break;

case 's':

social\_menu.main(u,userno);//calling function social\_main.menu()

break;

case 'f':

friend\_menu.menu(u,userno);//calling function friend\_main.menu()

break;

case 'm':

Account.viewAccount(u,userno);//calling function Account.viewAccount()

break;

case 'l':

Start.main();//calling function Start.main()

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;//updating value

for(i=0;i<=2000000000;i++);//delay loop

main(u,userno);//calling function main()

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");

}//switch ends

}//function ends

}

## variable description:

Main.main( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| ctr | int | counter for error handling |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| i | int | counter for delay loop |

# email\_main

## source code:

import java.util.\*;

class email\_main

{

static int i=0;

static int ctr=0;

static Email e[]=new Email[100];

public static void menu(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

char a;int k,j;//declaring variables

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(N)ew Email");

System.out.println("\n\t\t\t\t\t\t\t\t\t(I)nbox");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

switch(a)

{

case 'n':

e[i]=new Email();//instantiating email

e[i].newMail(u[userno]);//calling function newMail

for(j=0;j<u[userno].ctruser;j++)

{

if((u[j].email).equals(e[i].to))

{

u[j].addEmail(e[i]);//calling function addEmail

}

}

i++;//updating value

menu(u,userno);

break;

case 'i':

Inbox.inbox(u,userno);//calling function Inbox.inbox

break;

case 'b':

MAIN.main(u,userno);//calling function MAIN.menu

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;//updating value

for(k=0;k<=2000000000;k++);//delay loop

menu(u,userno);//calling function menu

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");

}//switch ends

}//method ends

}

## variable description:

email\_main.menu( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| i | int | counter for number of messages |
| ctr | int | counter for error handling |
| e[ ] | Email | array of all emails sent by user |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| j | int | counter for loop |
| k | int | counter for delay loop |

# inbox

## source code:

import java.util.\*;

class Inbox

{

public static void inbox(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

char a;int in=0,j;//declaring variables

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\tINBOX");

System.out.println("\n\t\t\t\t\t\t\t\tENTER EMAIL NUMBER TO VIEW EMAIL\n\n");

if(u[userno].emailno<1)//checking if emails are recieved

{

System.out.println("\n\t\t\t\t\t\t\t\tNo Emails Recieved");

}

else

{

System.out.println("\n\t\t\t\tEMAIL NO \t\t SENDER \t\t\t\t SUBJECT");

for(j=0;j<u[userno].emailno;j++)

{

System.out.println("\n\t\t\t\t"+(j+1)+".\t\t\t"+u[userno].e[j].sender+"\t\t\t"+u[userno].e[j].subject);//printing email number,sender and subject

}

System.out.print("\n\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);//accepting value

if(Character.isDigit(a))

{

in=Integer.parseInt(""+a);//converting to integer

}

in--;

if(in<j && in>=0)//checking if valid email number is entered

{

System.out.print("\f");

System.out.println("\n\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\tFrom: "+u[userno].e[in].sender);//printing sender

System.out.println("\tSubject: "+u[userno].e[in].subject+"\n");//printing subject

System.out.println("\t"+u[userno].e[in].body);//printing email

}

else

{

System.out.println("\n\t\t\t\t\t\t\t\t\tInvalid entry");

}

}

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

if(a=='b')//checking if value equals to 'b'

email\_main.menu(u,userno);//calling function email\_main.menu

}//method ends

}

## variable description:

inbox.inbox( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| in | int | stores integer value of ‘a’ |
| j | int | counter for loop |

# **social\_menu**

## source code:

import java.util.\*;

class social\_menu

{

static int i=0;

static int ctr=0;

static Message m[]=new Message[100];

public static void main(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

char a,in;int j,k;boolean p,flag=true;//declaring variables

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(N)ew Message");

System.out.println("\n\t\t\t\t\t\t\t\t\t(F)eed");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

switch(a)

{

case 'n':

m[i]=new Message();//instantiating new message

m[i].newMessage(u[userno]);//calling function newMessage

i++;

main(u,userno);

break;

case 'f':

System.out.println("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(u[userno].friendno==0)

{

for(j=0;j<i;j++)

{

p=u[userno].isFriend(m[j].username);//checking if user is friend

if(p)

{

System.out.println("\t"+m[j].name.toUpperCase()+"\t\t@"+m[j].username);//printing name and username

System.out.println();

System.out.println("\t"+m[j].message);//printing message

System.out.println("\n\n");

flag=false;

}//if ends

}//loop ends

}

if(flag)//checking if messages are present to be displayed

System.out.println("\n\t\t\t\t\t\t\t\tNO MESSAGES TO BE DISPLAYED");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)xit");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

in=ob.next().charAt(0);//accepting value

in=Character.toLowerCase(in);

if(in=='e');//checking if value= 'e'

main(u,userno);

break;

case 'b':

MAIN.main(u,userno);

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;//updating value

for(k=0;k<=2000000000;k++);//delay loop

main(u,userno);

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");

}//switch ends

}//main ends

}

## variable description:

social\_menu.main( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| ctr | int | counter for error handling |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| i | int | counter for number of messages |
| m[ ] | Message | array of all messages created by user |
| j | int | counter for loop |
| flag | boolean | flag to check if messages to be displayed |
| p | boolean | flag to check which user is friend |
| in | char | stores value entered by user |
| k | int | counter for delay loop |

# **friend\_menu**

## source code:

import java.util.\*;

class friend\_menu

{

static int ctr=0;

public static void menu(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(V)iew Friends");

System.out.println("\n\t\t\t\t\t\t\t\t\t(A)dd Friends");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

int i;char a;//declaring variables

a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

switch(a)

{

case 'v':

friend.viewFriend(u,userno);//calling function friend.viewFriend

break;

case 'a':

friend.newFriend(u,userno);//calling function friend.newFriend

break;

case 'b':

MAIN.main(u,userno);//calling function MAIN.main

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;//updating value

for(i=0;i<=2000000000;i++);//delay loop

menu(u,userno);//calling function menu

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");

}//switch ends

}//method ends

}

## variable description:

friend\_menu.menu( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| ctr | int | counter for error handling |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| i | int | counter for delay loop |

# **friend**

## source code:

import java.util.\*;

class friend

{

public static void newFriend(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

int i;String n;char c,b;boolean flag=false,flag1=false;//declaring variables

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(u[userno].ctruser>1)

{

System.out.println("\n\t\t\t\t\t\t\t\tENTER FULL NAME TO VIEW USER PROFLES");

for(i=0;i<u[userno].ctruser;i++)

{

if(u[i].userno==userno)//skipping user's details

continue;

System.out.println("\n\t\t\t\t\t\t\t\t\t"+(i+1)+"."+u[i].name);//printing name of all users

}

System.out.print("\n\t\t\t\t\t\t\t\t\t");

n=ob.nextLine();//accpeting name entered by user

n=n.trim();

do

{

for(i=0;i<u[userno].ctruser;i++)

{

if(u[i].name.equalsIgnoreCase(n))//checking if user is valid

{

u[i].showUser();//printing details

flag=true;

break;

}

}

if(flag==false)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

for(i=0;i<=2000000000;i++);//delay loop

newFriend(u,userno);//calling function newFriend

}

if(flag)

System.out.println("\n\t\t\t\t\t\t\t\t\t(A)dd Friend");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)xit");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

b=ob.next().charAt(0);//accepting value

b=Character.toLowerCase(b);//converting to lowercase

switch(b)

{

case 'a':

u[userno].addFriend(u[i]);//calling function addFriend

System.out.println();

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)xit");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

c=ob.next().charAt(0);//accepting value

c=Character.toLowerCase(c);//converting to lowercase

switch(c)

{

case 'e':

friend\_menu.menu(u,userno);//calling function menu

break;

}//switch ends

break;

case 'e':

friend\_menu.menu(u,userno);//calling function menu

break;

default:

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

for(i=0;i<=2000000000;i++);//delay loop

flag1=true;

}//switch ends

}while(flag1);//loop ends

}

else

{

System.out.println("\n\t\t\t\t\t\t\t\t\tNO USERS FOUND..");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)xit");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

b=ob.next().charAt(0);//accepting value

b=Character.toLowerCase(b);//converting to lowercase

switch(b)

{

case 'e':

friend\_menu.menu(u,userno);//calling function menu

break;

default:

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

for(i=0;i<=2000000000;i++);//delay loop

newFriend(u,userno);//calling function newFriend

}//switch ends

}//if-else ends

}//method ends

public static void viewFriend(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

int i,f;String n;char a;boolean flag=true;//decalaring variables

f=u[userno].friendno;//assigning value

System.out.println("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

if(f==0)//checking if user has friends

System.out.println("\n\t\t\t\t\t\tYOU HAVE NO FRIENDS :( ADD FRIENDS BY GOING TO THE ADD FRIENDS PAGE");

else

{

System.out.println("\n\t\t\t\t\t\t\t\tENTER FULL NAME TO VIEW USER PROFLES");

System.out.println("\n\t\t\t\t\t\t\tNAME \t\t\t USERNAME");

for(i=0;i<f;i++)

{

System.out.println("\n\t\t\t\t\t\t"+(i+1)+".\t"+u[userno].friend[i].name+" \t\t "+u[userno].friend[i].username);//printing name and username of friends

}//for ends

System.out.print("\n\t\t\t\t\t\t\t\t\t");

n=ob.nextLine();//accepting name

n=n.trim();

for(i=0;i<u[userno].ctruser;i++)

{

if(u[i].name.equalsIgnoreCase(n))//checking if valid name is entered

{

u[i].showUser();//printing details

flag=false;

break;

}

}//for ends

if(flag)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

for(i=0;i<=2000000000;i++);//delay loop

viewFriend(u,userno);//calling function viewFriend

}//if ends

}//if-else ends

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)xit");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

if(a=='e')//checking if value entered is 'e'

friend\_menu.menu(u,userno);

else

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

for(i=0;i<=2000000000;i++);//delay loop

viewFriend(u,userno);//calling fuction viewFriend

}

}//method ends

}

## variable description:

friend.newfriend( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| i | int | counter for loop |
| n | String | stores name entered by user |
| c | char | stores value entered by user |
| b | char | stores value entered by user |
| flag | boolean | flag to check if invalid value is entered |
| flag1 | boolean | flag to check if invalid value is entered |

friend.viewfriend( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| i | int | counter for loop |
| f | int | checks if user has friends |
| n | String | stores name entered by user |
| c | char | stores value entered by user |
| b | char | stores value entered by user |
| flag | boolean | flag to check if invalid value is entered |
| flag1 | boolean | flag to check if invalid value is entered |

# **account**

## source code:

import java.util.\*;

class Account

{

static int ctr=0;

public static void viewAccount(User u[],int userno)

{

Scanner ob=new Scanner(System.in);

int i;

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

u[userno].userDetails();//printing user details

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)dit Details");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

char a=ob.next().charAt(0);//accepting value

a=Character.toLowerCase(a);//converting to lowercase

switch(a)

{

case 'e':

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

u[userno].userDetails();//printing user details

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

u[userno].setUser();//alling function setUser

viewAccount(u,userno);//calling function viewAccount

break;

case 'b':

MAIN.main(u,userno);//calling function MAIN.main

break;

default:

if(ctr<3)

{

System.out.println("\nINVALID CHOICE ENTERED PLEASE ENTER CORRECT CHOICE..");

ctr++;

for(i=0;i<=2000000000;i++);//delay loop

viewAccount(u,userno);

}

else

System.out.println("TOO MANY INVALID CHOICES.. PROGRAM ENDS.");//program ends

}//switch ends

}//mwthod ends

}

## variable description:

account.viewaccount( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| ctr | int | counter for error handling |
| u[ ] | User | array of all users |
| userno | int | stores user number of user |
| a | char | stores the value entered by user |
| i | int | counter for delay loop |

# **email**

## source code:

import java.util.\*;

class Email

{

String body,subject,sender,to;//datamembers

Email()//constructor

{

body=subject=sender=to="";//assinging default value

}

public void newMail(User u)

{

Scanner ob=new Scanner(System.in);

int flag=0,i;boolean p=true;//declaring variables

System.out.println("INITIALIZING EMAIL MODULE...");

for(i=0;i<=2000000000;i++);//delay loop

System.out.print("\f");

sender=u.email;//assigning value

do

{

flag=0;

System.out.print("To:\t");

to=ob.nextLine();//accepting email id

for(i=0;i<to.length();i++)

{

char c=to.charAt(i);

if(c=='@')//checking if @ is present

{

for(int j=i;j<to.length();j++)

{

char c1=to.charAt(j);

if(c1=='.')//checing if . is fresent after @

{

p=false;break;

}

}

}

}

if(p)//checking id valid email

{

System.out.print("\f");

System.out.println("Invalid email entered");//printing valid

flag=2;continue;

}

}while(flag==2);//loop ends

System.out.print("Subject:");

subject=ob.nextLine();//accepting subject

System.out.println("\n");

body=ob.nextLine();//accepting body

System.out.println("\n\nSENDING EMAIL...");

for(i=0;i<=2000000000;i++);//delay loop

System.out.println("EMAIL SENT.. REDIRECTING.");

for(i=0;i<=2000000000;i++);//delay loop

}//method ends

}

## variable description:

email( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| body | String | stores the email message entered by user |
| subject | String | stores subject of email entered by user |
| sender | String | stores email-id of sender |
| to | String | sores email-id of receiver |
| flag | int | counter for do-while loop |
| i | int | counter for loop |
| p | boolean | flag to check if email-id is valid |
| c | char | stores individual character of email-id entered |
| j | int | counter for loop |
| c1 | char | stores individual character of email-id entered |

# **message**

## source code:

import java.util.\*;

class Message

{

String message,username,name;//datamembers

int i;

Message()//default constructor

{

//setting default values to the datamembers

message="";

username="";

name="";

}

public void newMessage(User u)

{

Scanner ob=new Scanner(System.in);

System.out.print("\f");

System.out.println("ENTER MESSAGE:");

System.out.println();

message=ob.nextLine();//accepting message

username=u.username;//saving username of user

name=u.name;//saving name of user

System.out.println("POSTING MESSAGE...");

for(int i=0;i<=2000000000;i++);//delay loop

}//method ends

}//class ends

## variable description:

message( ):

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| message | String | stores message entered by user |
| username | String | stores username of user |
| name | String | stores name of user |
| i | int | counter for loop |

# **user**

## source code:

import java.util.\*;

class User

{

//datamembers

static String user[]={"","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","",""};

static String pass[]={"","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","",""};

static String eid[]={"","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","","",""};

static int ctruser=0;

int userno;

String username,password,email,name;

int emailno=0,friendno=0;

Email e[]=new Email[100];

User friend[]=new User[100];

public int newUser()

{

Scanner ob=new Scanner(System.in);

int a=1;char c;int i;boolean p=true;//declaring variables

System.out.print("\nEnter Firstname:");

name=ob.next();//accepting first name

name.trim();//removing balnk spaces

System.out.print("\nEnter Lastname:\t");

String n1=ob.next();//accepting last name

n1.trim();//removing blank spaces

name=name+" "+n1;//saving name

do

{

if(a==0)//checking if username is taken

System.out.println("USERNAME TAKEN");

System.out.print("\nEnter Username:\t");

username=ob.next();//accpeting username

a=newUseru(username);//checking if username is taken

}while(a==0);//loop ends

a=1;//resetting value

do

{

if(a==0)

{

System.out.print("EMAIL TAKEN");//printing

}

System.out.print("\nEnter Email:\t");

email=ob.next();//accepting email

email.trim();//removing blank spaces

for(i=0;i<email.length();i++)

{

c=email.charAt(i);//extraacting characters

if(c=='@')//checking if @ is present

{

for(int j=i;j<email.length();j++)

{

char c1=email.charAt(j);

if(c1=='.')//checing if . is fresent after @

{

p=false;break;

}

}

}

}

if(p)//checking id valid email

{

System.out.println("Invalid email entered");//printing valid

a=2;continue;

}

a=newUsere(email);//checking if email is taken

}while(a==0 || a==2);//loop ends

System.out.print("\nEnter Password:\t");

password=ob.next();//accepting password

password.trim();//removing blankspaces

newUserp(password);//user created

userno=ctruser;//assinging user number

ctruser++;//counting number of users created

return ctruser;//returning value

}//method ends

public int newUseru(String username)

{

for(int i=0;i<=ctruser;i++)

{

if(username.equals(user[i]))//checking if username is taken

{

return 0;

}

}

user[ctruser]=username;//adding username to array

return 1;//returning value

}

public int newUsere(String email)

{

for(int i=0;i<=ctruser;i++)

{

if(eid[i].equals(email))//checking if email is taken

{

return 0;//returning value

}

}

eid[ctruser]=email;//adding to array

return 1;//returning value

}

public void newUserp(String password)

{

pass[ctruser]=password;//adding to array

}

public void showUser()

{

System.out.print("\f");

System.out.println("\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n\t\t\t\t\t\t\t\tName:\t\t"+name);//printing name

System.out.println("\n\t\t\t\t\t\t\t\tUsername:\t"+username);//printing username

System.out.println("\n\t\t\t\t\t\t\t\tEmail:\t\t"+email);//printing email

System.out.println("\n\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

public void userDetails()

{

System.out.println("\n\t\t\t\t\t\t\t\tName:\t\t"+name);//printing name

System.out.println("\n\t\t\t\t\t\t\t\tUsername:\t"+username);//printing username

System.out.println("\n\t\t\t\t\t\t\t\tEmail:\t\t"+email);//printing email

System.out.println("\n\t\t\t\t\t\t\t\tPassword:\t"+password);//printing password

}

public void setUser()

{

Scanner ob=new Scanner(System.in);

int a=1;boolean p=true;

System.out.println("\n\t\t\t\t\t\t\t\t\tCHOOSE WHAT TO EDIT:");

System.out.println("\n\t\t\t\t\t\t\t\t\t(N)ame");

System.out.println("\n\t\t\t\t\t\t\t\t\t(U)sername");

System.out.println("\n\t\t\t\t\t\t\t\t\t(E)mail");

System.out.println("\n\t\t\t\t\t\t\t\t\t(P)assword");

System.out.println("\n\t\t\t\t\t\t\t\t\t(B)ack");

System.out.print("\n\t\t\t\t\t\t\t\t\t");

char b=ob.next().charAt(0);//accepting choice

b=Character.toLowerCase(b);//converting to lowercase

switch(b)

{

case 'n':

user[userno]="";

name="";

System.out.print("\n\t\t\t\t\t\t\t\tEnter Firstname:");

name=ob.next();//accepting firstname

name.trim();

System.out.print("\n\t\t\t\t\t\t\t\tEnter Lastname:");

String n1=ob.next();//accepting lastname

n1.trim();

name=name+" "+n1;//updating value

break;

case 'u':

user[userno]="";//resetting value

username="";//resetting value

a=1;

do

{

if(a==0)

System.out.println("\n\t\t\t\t\t\t\t\tUSERNAME TAKEN");

System.out.print("\n\t\t\t\t\t\t\t\tEnter Username:");

username=ob.next();//accepting username

a=newUseru(username);//checking if username is taken

}while(a==0);

break;

case 'e':

eid[userno]="";

email="";

a=1;

do

{

if(a==0)

System.out.println("\n\t\t\t\t\t\t\t\tEMAIL TAKEN");

System.out.print("\n\t\t\t\t\t\t\t\tEnter email:");

email=ob.next();//accepting email

email.trim();//removing blank spaces

for(int i=0;i<email.length();i++)

{

char c=email.charAt(i);

if(c=='@')//checking if @ is present

{

for(int j=i;j<email.length();j++)

{

char c1=email.charAt(j);

if(c1=='.')//checing if . is fresent after @

{

p=false;break;

}

}

}

}

if(p)//checking id valid email

{

System.out.println("\n\t\t\t\t\t\t\t\tInvalid email entered");//printing valid

a=2;continue;

}

a=newUsere(email);//checking if email is taken

}while(a==0 || a==2);

break;

case 'p':

pass[userno]="";//resetting value

password="";//resetting value

System.out.print("\n\t\t\t\t\t\t\t\tEnter password:");

password=ob.next();//accepting password

password.trim();//removing blank spaces

newUserp(password);//adding new password

break;

case 'b':

return;

}//switch emds

//method ends

public void addEmail(Email e)

{

this.e[emailno]=new Email();//instanciating new email

this.e[emailno]=e;//saving email

emailno++;//updating value

}

public void addFriend(User u)

{

friend[friendno]=new User();//instantiating new friend

friend[friendno]=u;//saving friend

System.out.println("\n\t\t\t\t\t\t\t\t\tFriend Added!");

friendno++;//updating value

}

public boolean isFriend(String username)

{

int i;

for(i=0;i<(friendno);i++)

{

if(friend[i].username.equals(username))//checking if friend

return true;//returning value

}

return false;//returning value

}

}

## variable description:

User( )

|  |  |  |
| --- | --- | --- |
| Variable | Datatype | Desciption |
| user[ ] | String | stores usernames of all users |
| pass[ ] | String | stores password of all users |
| eid[ ] | String | Stores email-id of all users |
| ctruser | int | value of number of users created |
| userno | int | value of user number |
| username | String | stores username of user |
| password | String | stores password of user |
| email | String | stores email-id of user |
| name | String | stores name of user |
| emailno | int | stores number of emails received by user |
| friendno | int | stores number of friends of user |
| e[ ] | Email | array of all emails received |
| friend[ ] | User | array of all friends of user |

# **output screens**

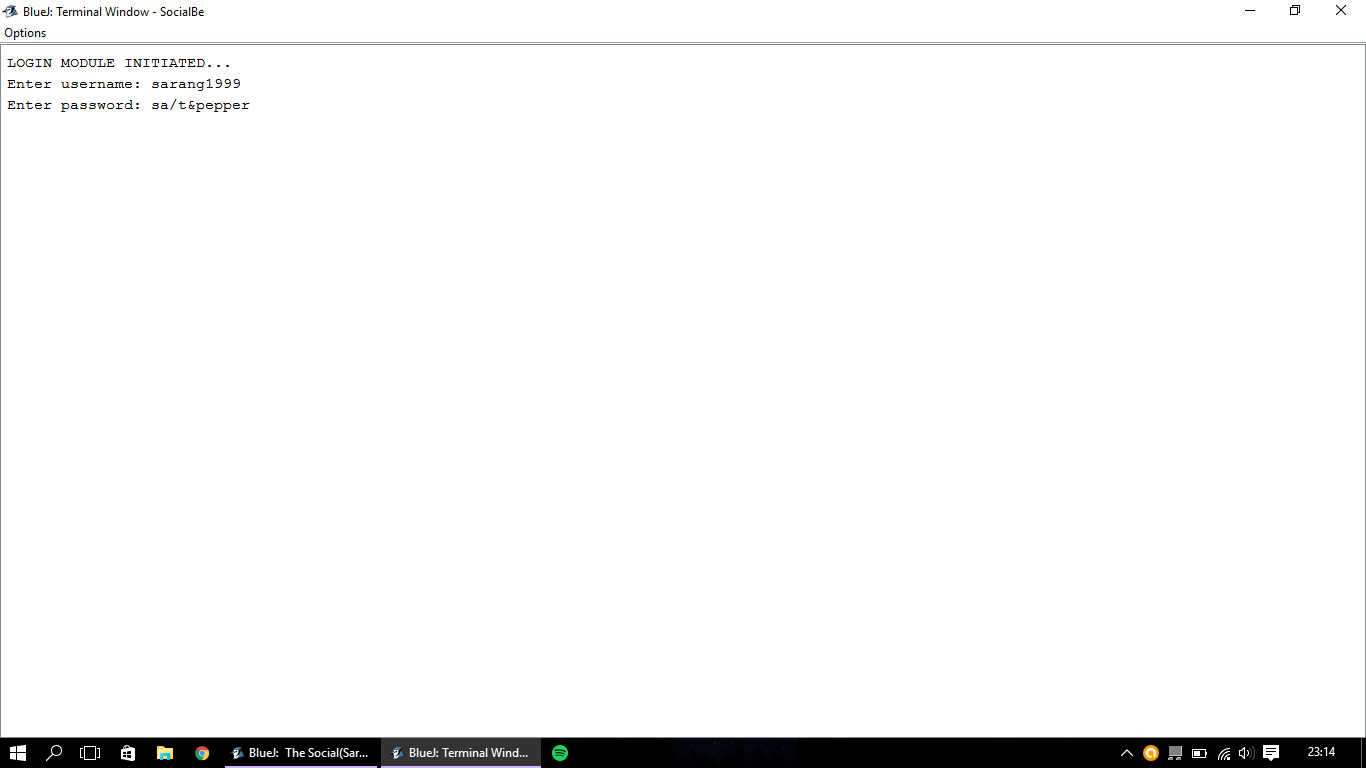
## Start:



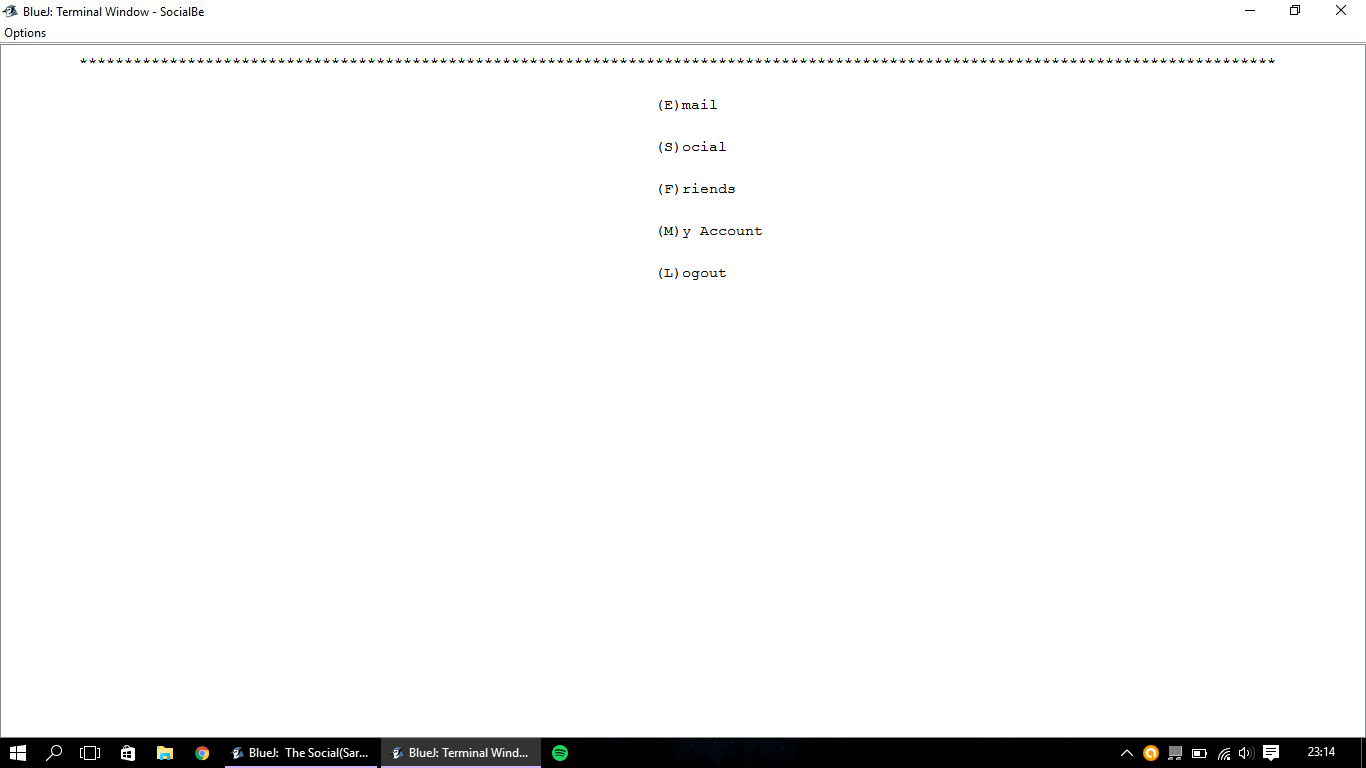
## Signing Up:



## Login:



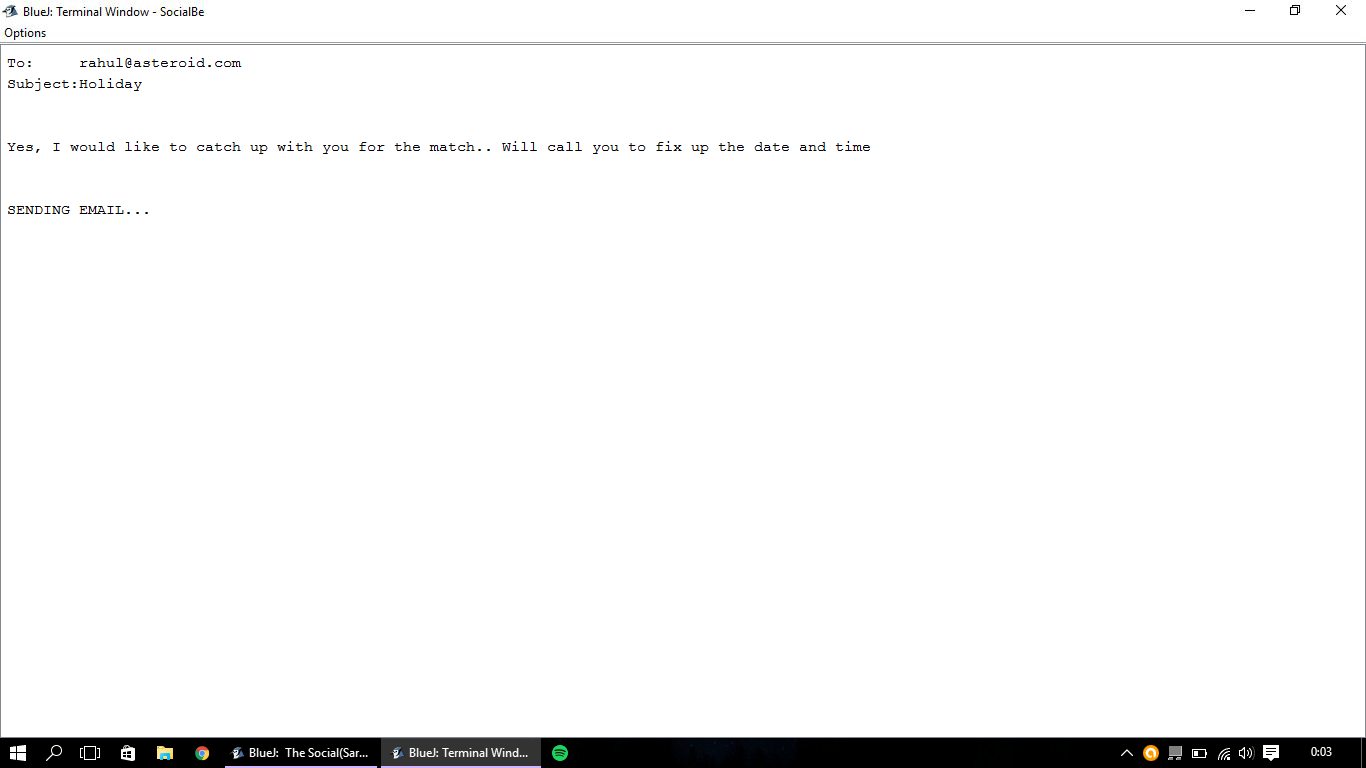
## Main Menu:



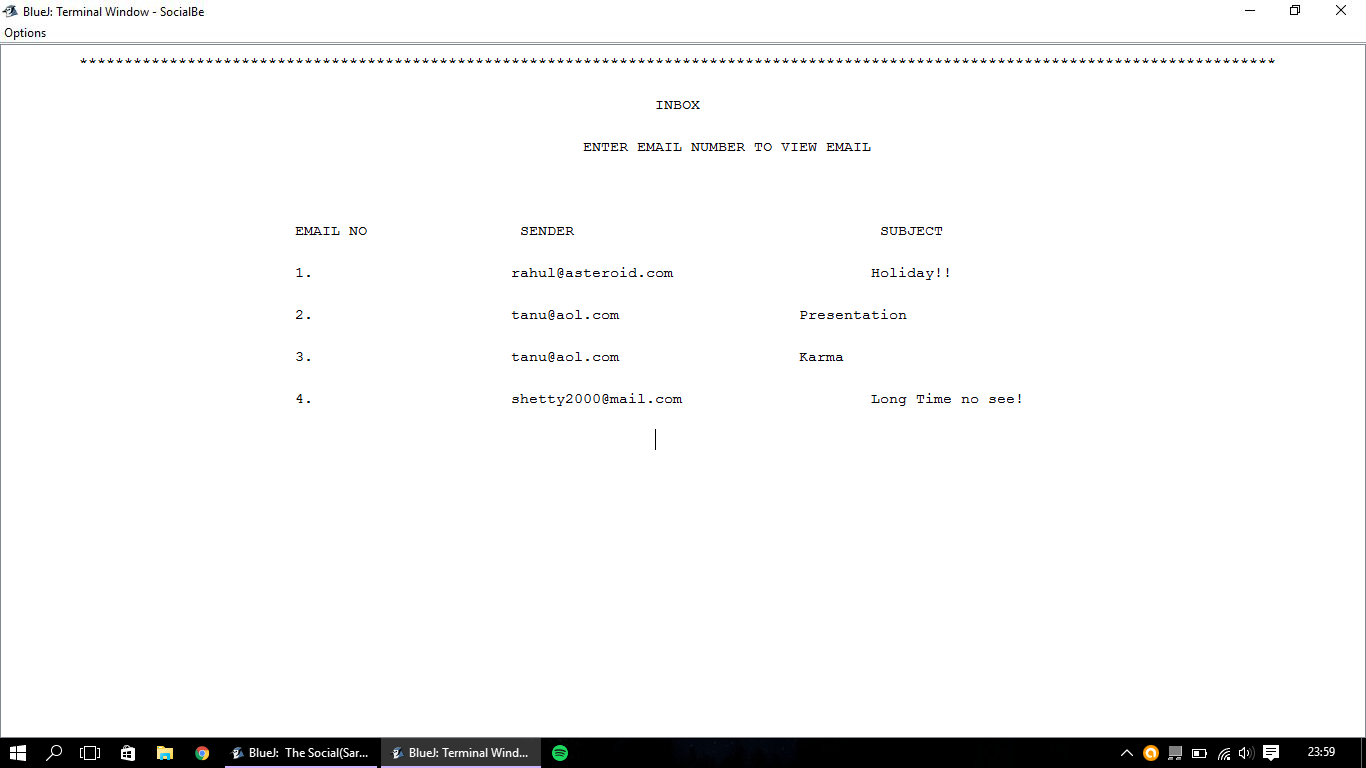
## Email Menu:



## Composing new email:



## Inbox:



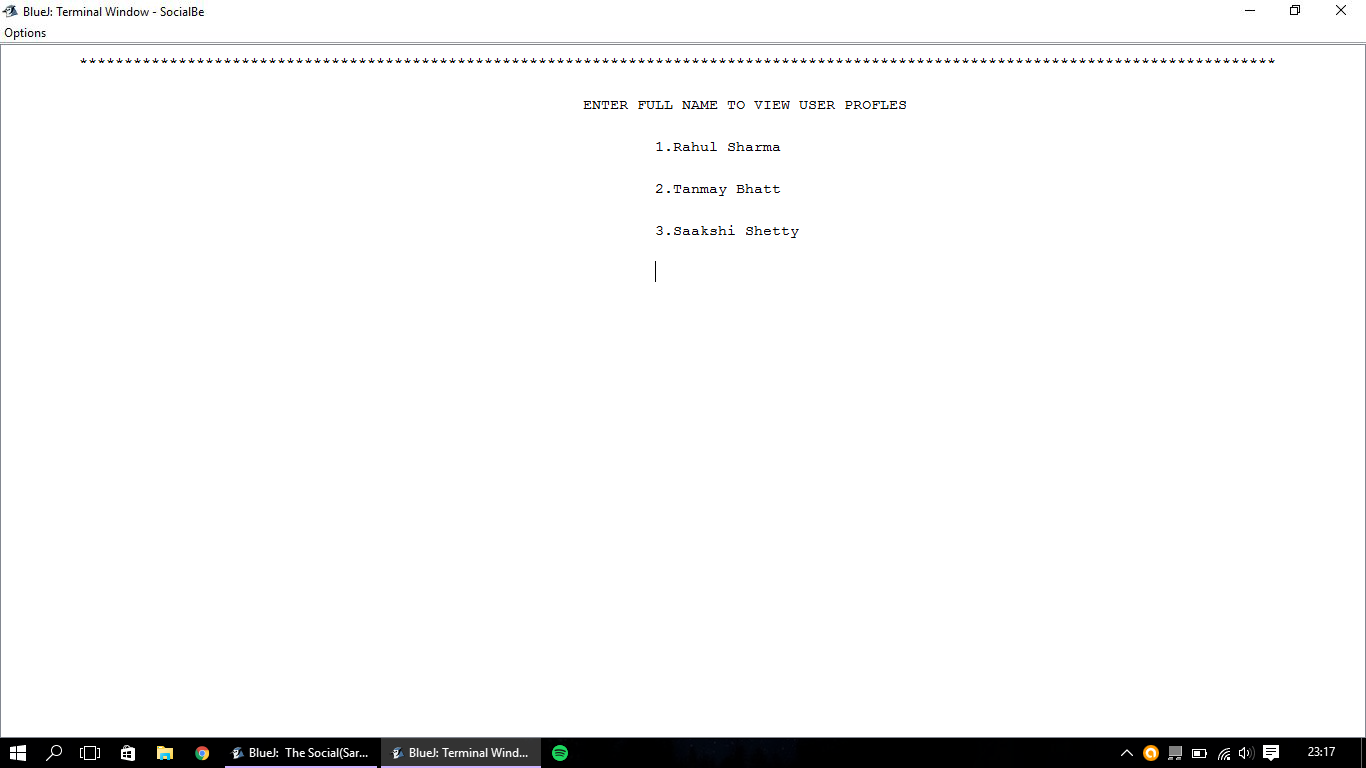
## Viewing Email:



## Friends Menu:



## Adding Friends:



## Viewing Profile:



## Viewing Friends:



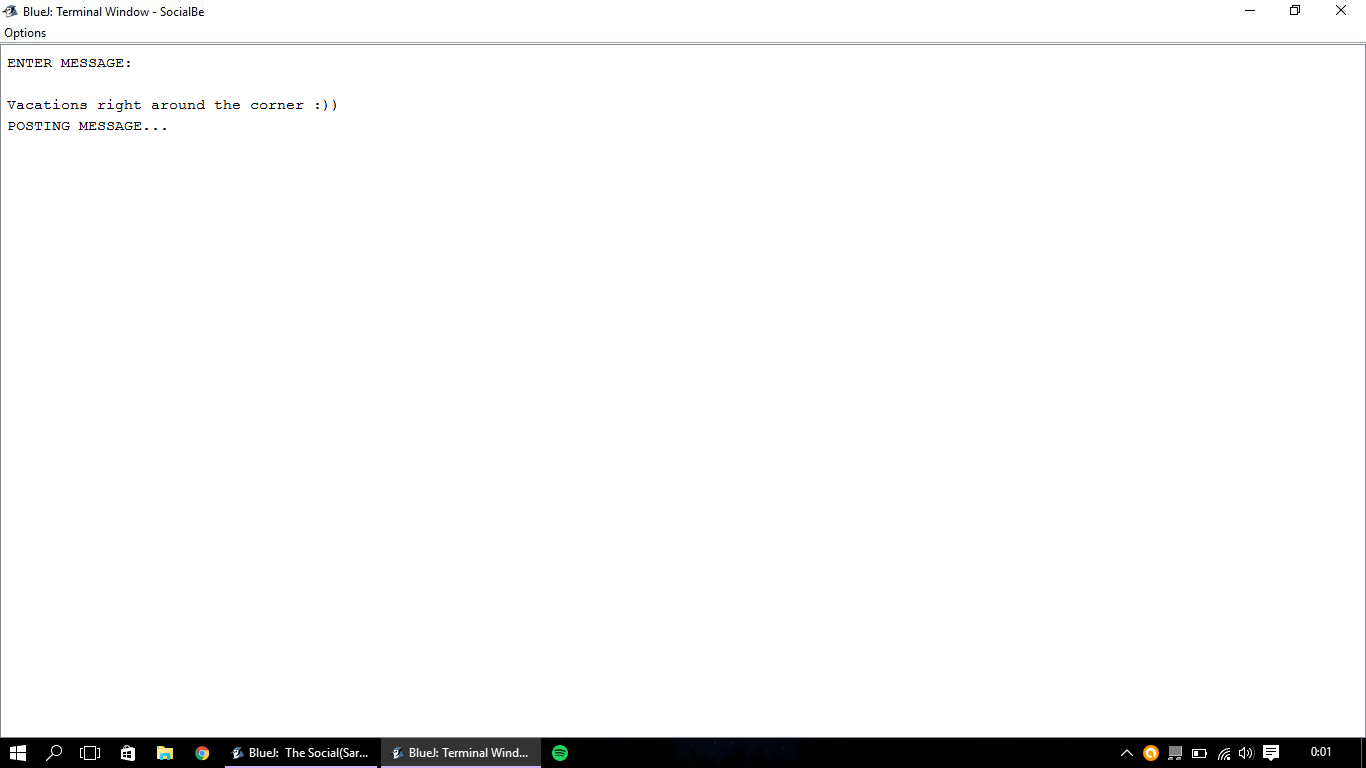
## Viewing Profile:



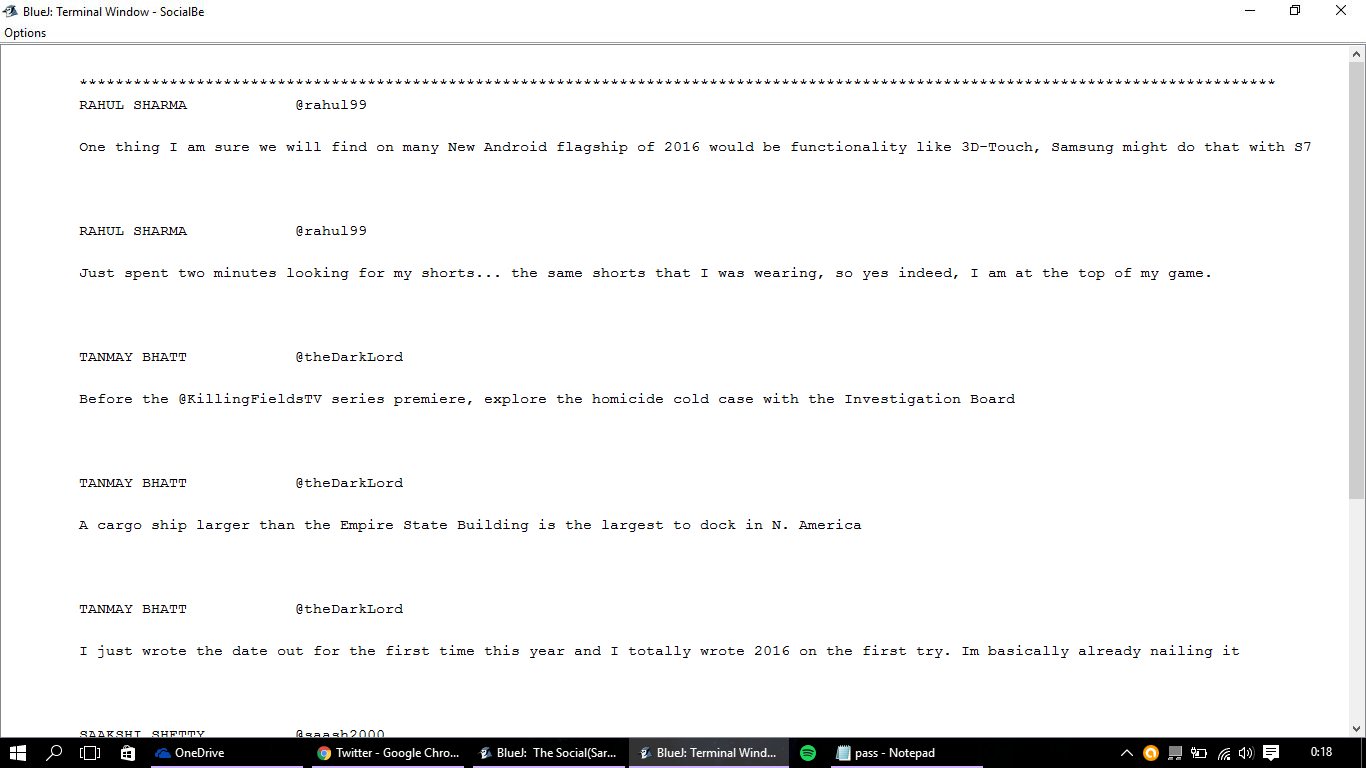
## Social Menu:



## Composing New Message:



## Viewing Feed:



## Account Details:



## Editing details:



## After Editing:



# Acknowledgement:

I would like to thank my school principal, Ms.Rashmi Ambavane and my computer teacher, Mr. Nasir for giving us this project. Through this project I have managed to learn about the fundamental basics of Java.