**sup.cpp**

#include<iostream>

#include "supervisor.h"

#include <cstring>

#include <conio.h>

#include <fstream>

#include <stdlib.h>

#include "add\_delete.h"

#include "display.h"

using namespace std;

using namespace supervisor;

using namespace mainpage;

string \*users=new string;

string \*passwd=new string;

class user

{

public:

int usercheck(string \*user,string \*users)

{

if (users->find(\*user) != string::npos)

return 2;

}

int passcheck(string \*pass,string \*passwd)

{

if(passwd->find(\*pass)!= string::npos)

return 2;

}

virtual int login()=0;

};

class supervis\_content:public user

{

public:

int login()

{

ifstream \*fin=new ifstream;

fin->open("login.csv");

int i=0,j,k;

while (!fin->eof())

{

\*fin >> \*users >> \*passwd;

//This represents the number of lines we could extract from the database

}

string \*user=new string;

string \*pass=new string;

\*user=entryuser();

j=usercheck(user,users);

if(j==2){

\*pass=entrypass();

k=passcheck(pass,passwd);

if(k==2){

cout<<"Login successful!"<<endl;

system("cls");

return 2;}

else{

cout<<"Login Failed"<<endl;

return 0;}}

else{

cout<<"Please enter a valid username"<<endl;

return 0;

fin->close();

delete user;

delete pass;

delete fin;

}

}

void content()

{

cout<<"Press 1 to Update/change details of garbage collection\nPress 2 to Only view details\nPress 3 to Add vehicle details\nPress anything else to exit"<<endl;

int i;

cin>>i;

try{

switch(i)

{

case 1:

{

cout<<"Enter the number of data you want to add"<<endl;

int j,i;

cin>>i;

string str,str1,str2,str3,str4,str5,str6;

fstream \*fi=new fstream;

fi->open("dumb.csv",ios::app);

for(j=1;j<=i;j++){

cout<<"Enter the vehicle number"<<endl;

cin>>str;

\*fi<<str<<',';

cout<<"Enter the Date of loading"<<endl;

cin>>str1;

\*fi<<str1<<',';

cout<<"Enter the time of loading "<<endl;

cin>>str2;

\*fi<<str2<<',';

cout<<"Enter the place of loading "<<endl;

cin>>str3;

\*fi<<str3<<',';

cout<<"Enter the date of unloading "<<endl;

cin>>str4;

\*fi<<str4<<',';

cout<<"Enter the time of unloading "<<endl;

cin>>str5;

\*fi<<str5<<',';

cout<<"Enter the place of unloading "<<endl;

cin>>str6;

\*fi<<str6<<','<<'\n';

}

fi->close();

delete fi;

break;

}

case 2:

{

fstream \*fi=new fstream;

fi->open("vehicle.csv");

char str[1000];

int i,j=1,k=0;

char ch;

fi->get(ch);

str[0]=ch;

while(!fi->eof())

{

fi->get(ch);

str[j]=ch;

j++;

}

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

{

if(str[i]==',')

{

cout<<' ';

i++;

}

cout<<str[i];

}

fi->close();

delete fi;

break;

}

case 3:

{

fstream \*fi=new fstream;

fi->open("vehicle.csv",ios::app);

cout<<"Enter the number of data you want to add"<<endl;

int j,i;

cin>>i;

string s,s1,s2;

for(j=1;j<=i;j++){

cout<<"Enter the vehicle number"<<endl;

cin>>s;

\*fi<<s<<',';

cout<<"Enter the capacity of the vehicle"<<endl;

cin>>s1;

\*fi<<s1<<',';

cout<<"Enter the driver name of the vehicle"<<endl;

cin>>s2;

\*fi<<s2<<','<<'\n';

}

fi->close();

delete fi;

break;

}

default:

{

throw 2;

}

}}

catch(...)

{

cout<<"PROGRAM TERMINATED"<<endl;

exit(0);

}

}

};

class citizen

{

public:

friend void content\_cust();

};

void content\_cust()

{

cout<<"Press 1 to View the registration,capacity and Driver name\nPress 2 To view the Details of Time and Place\nPress anything else to terminate "<<endl;

int o;

cin>>o;

try{

switch(o)

{

case 1:

{

fstream \*fi=new fstream;

fi->open("vehicle.csv");

char str[10000];

int i,j=1,k=0;

char ch;

fi->get(ch);

str[0]=ch;

while(!fi->eof())

{

fi->get(ch);

str[j]=ch;

j++;

}

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

{

if(str[i]==',')

{

cout<<' ';

i++;

}

cout<<str[i];

}

fi->close();

delete fi;{

break;}

}

case 2:

{

fstream \*fi=new fstream;

fi->open("dumb.csv");

char str[1000];

int i,j=1,k=0;

char ch;

fi->get(ch);

str[0]=ch;

while(!fi->eof())

{

fi->get(ch);

str[j]=ch;

j++;

}

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

{

if(str[i]==',')

{

cout<<' ';

i++;

}

cout<<str[i];

}

fi->close();

delete fi;

break;

}

default:

{

throw 2;

}

}

}

catch(...)

{

cout<<"PROGRAM TERMINATED"<<endl;

exit(0);

}

}

class manager:public supervis\_content

{

public:

int login()

{

cout<<"Enter your username"<<endl;

string \*user=new string;

string \*pass=new string;

cin>>\*user;

cout<<"Enter your password"<<endl;

cin>>\*pass;

if(user->compare("ADMIN")==0)

{

if(pass->compare("PASSWORD")==0)

{

return 2;

}

}

else

{

cout<<"Invalid login"<<endl;

}

}

void content\_manger()

{

cout<<"Press 1 To Update Details of Garbage Collection\nPress 2 To View Details Only\nPress 3 To Add Vehicle Details\nPress 4 To update Supervisor Details\nPress 5 To Clear Data of Files\nPress anything else to exit"<<endl;

int i;

cin>>i;

try{

switch(i)

{

case 1:

{

cout<<"Enter the number of data you want to add"<<endl;

int j,i;

cin>>i;

string str,str1,str2,str3,str4,str5,str6;

fstream \*fi=new fstream;

fi->open("dumb.csv",ios::app);

for(j=1;j<=i;j++){

cout<<"Enter the vehicle number"<<endl;

cin>>str;

\*fi<<str<<',';

cout<<"Enter the Date of loading"<<endl;

cin>>str1;

\*fi<<str1<<',';

cout<<"Enter the time of loading "<<endl;

cin>>str2;

\*fi<<str2<<',';

cout<<"Enter the place of loading "<<endl;

cin>>str3;

\*fi<<str3<<',';

cout<<"Enter the date of unloading "<<endl;

cin>>str4;

\*fi<<str4<<',';

cout<<"Enter the time of unloading "<<endl;

cin>>str5;

\*fi<<str5<<',';

cout<<"Enter the place of unloading "<<endl;

cin>>str6;

\*fi<<str6<<','<<'\n';

}

fi->close();

delete fi;

break;

}

case 2:

{

content\_cust();

break;

}

case 3:

{

fstream \*fi=new fstream;

fi->open("vehicle.csv",ios::app);

cout<<"Enter the number of data you want to add"<<endl;

int j,i;

cin>>i;

string s,s1,s2;

for(j=1;j<=i;j++){

cout<<"Enter the vehicle number"<<endl;

cin>>s;

\*fi<<s<<',';

cout<<"Enter the capacity of the vehicle"<<endl;

cin>>s1;

\*fi<<s1<<',';

cout<<"Enter the driver name of the vehicle"<<endl;

cin>>s2;

\*fi<<s2<<','<<'\n';

}

fi->close();

delete fi;

break;

}

case 4:

{

cout<<"Press 1 To only view the supervisor user-name and password \nPress 2 To add the supervisor password of individual username"<<endl;

int a=0,b=0,i;

cin>>i;

switch(i)

{

char ch;

char user[40];

char user\_pass[40];

case 1:

{

fstream \*fi=new fstream;

int count=0;

fi->open("login.csv");

while(!fi->eof())

{

fi->get(ch);

if(ch=='\n')

{count++;}

if(ch!=',' && count==0)

{

user[a]=ch;

a++;

}

if(count==1)

{

if(ch!=',')

{

user\_pass[b]=ch;

}

b++;

}

if(ch==',')

{

user[a]=' ';

a++;

}

}

cout<<"The usernames are -:"<<endl;

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

{

cout<<user[i];

}

cout<<endl;

cout<<"The password of respective usernames are :-";

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

{

cout<<user\_pass[i];

}

cout<<endl;

fi->close();

delete fi;

break;

}

case 2:

{

fstream \*fi=new fstream;

fi->open("login.csv",ios::app);

cout<<"Enter the username you want to add a password to :-"<<endl;

string \*com=new string;

string \*s1=new string;

cin>>\*com;

if(com->compare("Suraj")==0)

{

cout<<"Enter your new password"<<endl;

cin>>\*s1;

\*fi<<s1<<',';

}

if(com->compare("Natasha")==0)

{

cout<<"Enter your new password"<<endl;

cin>>\*s1;

\*fi<<','<<s1<<',';

}

if(com->compare("Ayush")==0)

{

cout<<"Enter your new password"<<endl;

cin>>\*s1;

\*fi<<','<<','<<s1<<',';

}

if(com->compare("Asutosh")==0)

{

cout<<"Enter your new password"<<endl;

cin>>\*s1;

\*fi<<','<<','<<','<<s1<<'\n';

}

fi->close();

delete fi;

delete com;

delete s1;

break;

}

default:

{

break;

}

}

break;

}

case 5:

{

using namespace add\_delete;

del();

}

default:

{

throw 2;

}

}

}

catch(...)

{

cout<<"PROGRAM TERMINATED"<<endl;

exit(0);

}

}

};

int main()

{

disp();

char a;

int i;

cout<<"Press'A' FOR SUPERVISOR\nPress'B' FOR CITIZEN\nPress'Z' FOR MANAGER\nPress'C' TO EXIT "<<endl;

a=getch();

user \*u;

supervis\_content s;

citizen \*c=new citizen;

manager \*m=new manager;

u=&s;

if(a=='A')

{

i=u->login();

while(a!='C')

{

if(i==2)

{

s.content();

}}}

else if(a=='B')

{

while(a!='C'){

content\_cust();

}}

else if(a=='Z'){

int i;

i=m->login();

while(a!='C'){

if(i==2)

{

m->content\_manger();

}

else{

exit(0);

}

}

}

else{

cout<<"Program Terminated"<<endl;

exit(0);

}

delete c;

delete m;

return 0;

}

**supervisor.h**

using namespace std;

namespace supervisor

{

string username;

string password;

string entryuser()

{

cout<<"Enter your username"<<endl;

getline(cin,username);

return username;

}

string entrypass()

{

cout<<"Enter your password"<<endl;

getline(cin,password);

return password;

}

}

**display.h**

#include<iostream>

using namespace std;

namespace mainpage{

void disp()

{

int i;

char c;

cout<<"\n"<<endl;

for(i=0;i<28;i++)

cout<<" ";

cout<<"\*\*\*\*\*\*\*"<<endl;

for(i=0;i<15;i++)

cout<<" ";

cout<<"\*Bhubaneswar Municipal Corporation\*"<<endl;

for(i=0;i<25;i++)

cout<<" ";

cout<<"\*welcomes you\*"<<endl;

for(i=0;i<28;i++)

cout<<" ";

cout<<"\*\*\*\*\*\*\*"<<endl;

}

}

**add\_delete.h**

namespace add\_delete

{

using namespace std;

void del()

{

fstream fi;

int i;

cout<<"If you want to clear out all login details press 1 \nIf you want to clear out all vehicle details press 2\nIf you want to clear all details of garbage collection press 3"<<endl;

cin>>i;

if(i==1)

{

fi.open("login.csv",ios::out | ios::trunc);

fi.close();

cout<<"All data removed!"<<endl;

}

else if(i==2)

{

fi.open("vehicle.csv",ios::out | ios::trunc);

fi.close();

cout<<"All data removed!"<<endl;

}

else if(i==3)

{

fi.open("dumb.csv",ios::out | ios::trunc);

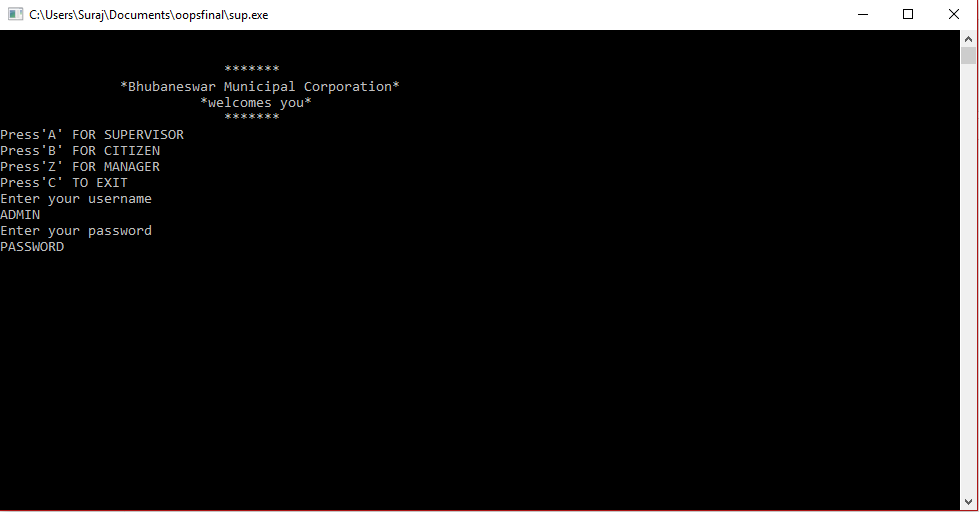
fi.close();

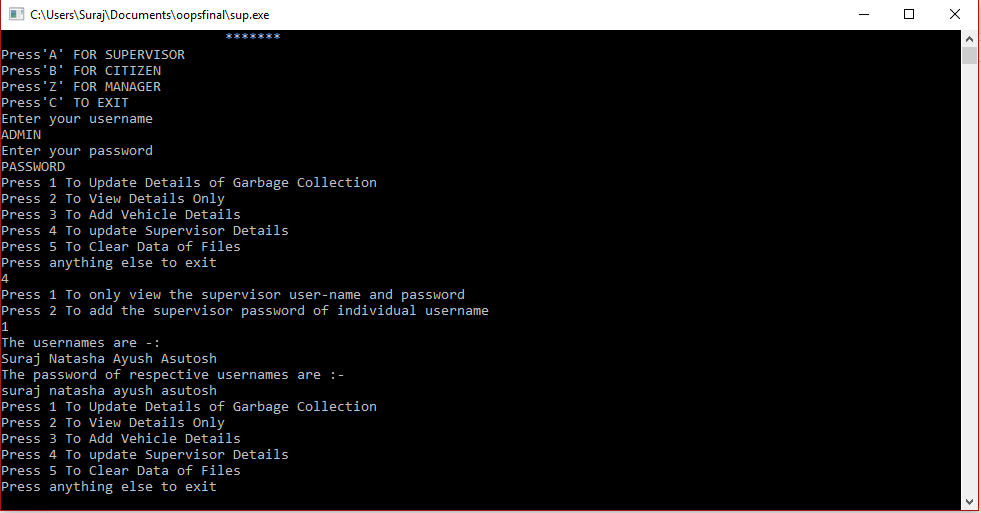
cout<<"All data removed!"<<endl;

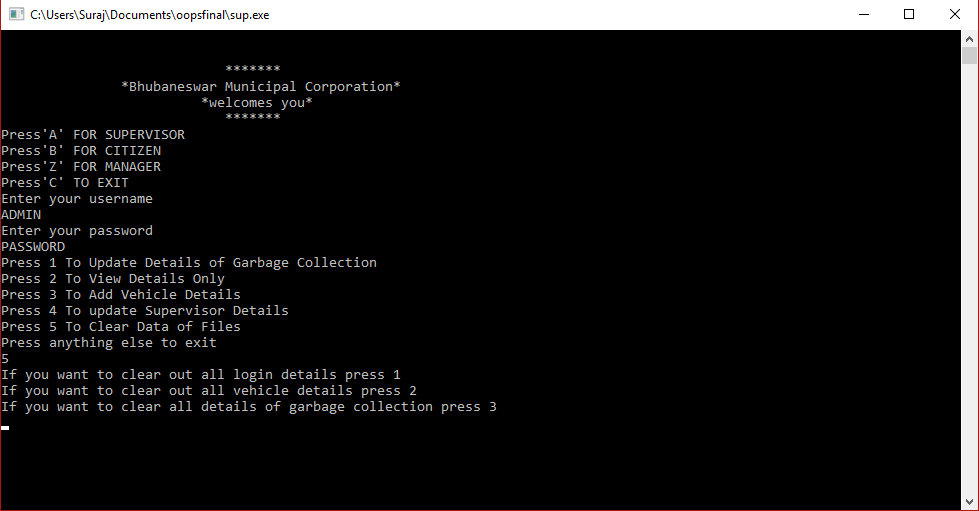
}

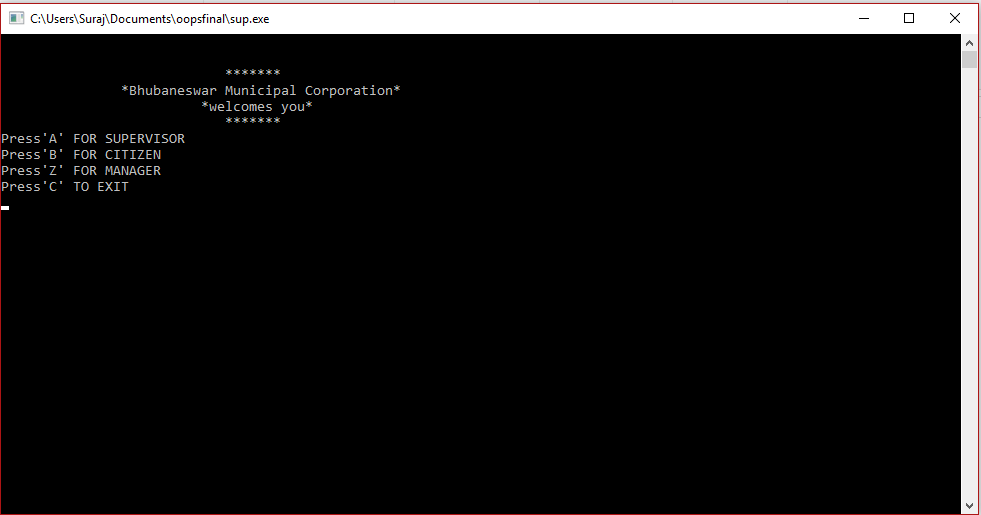
}

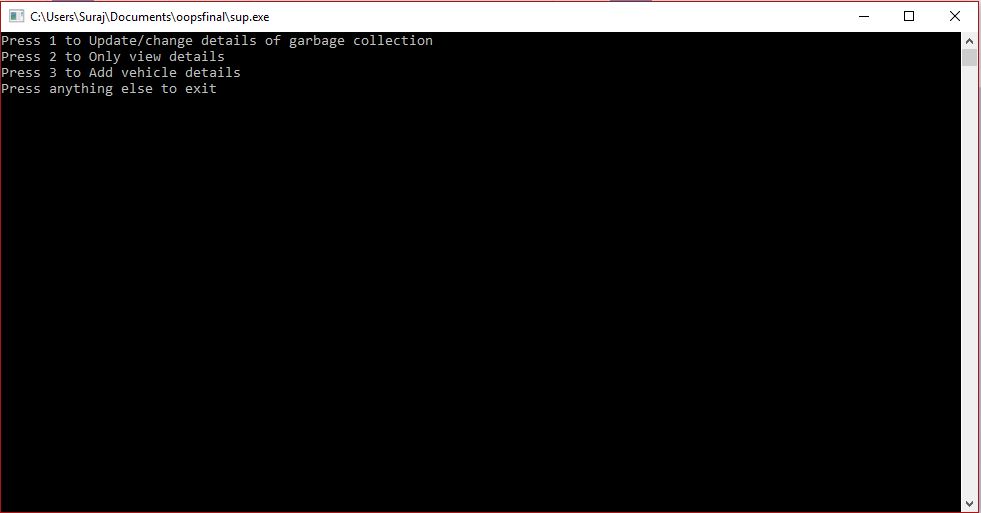
}

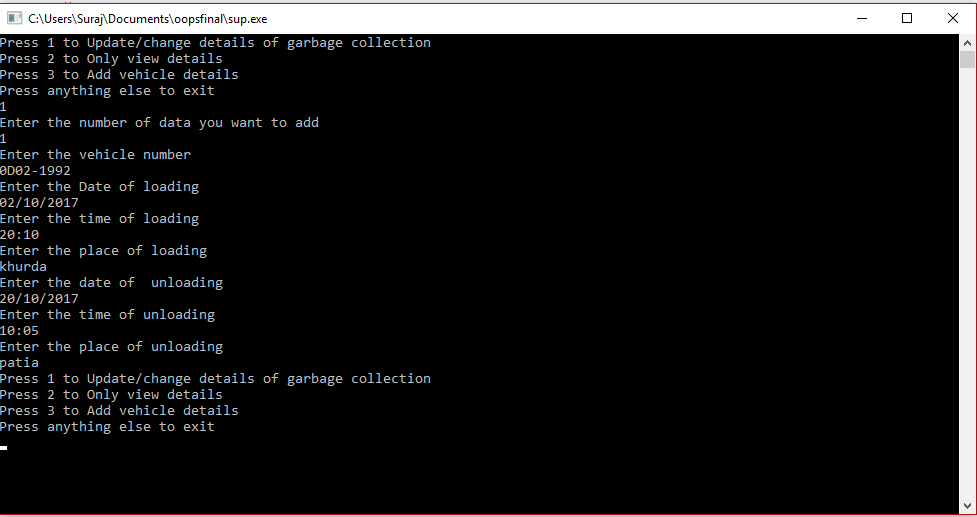
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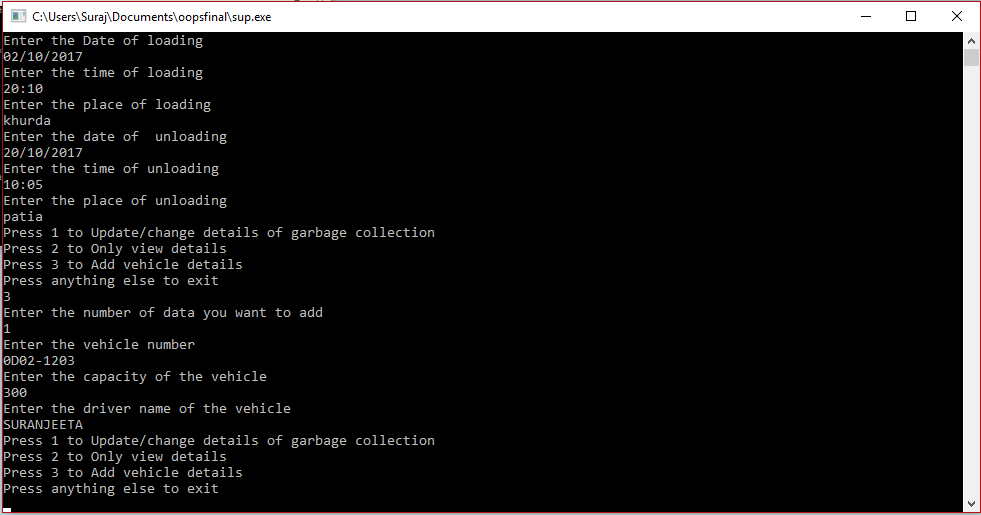
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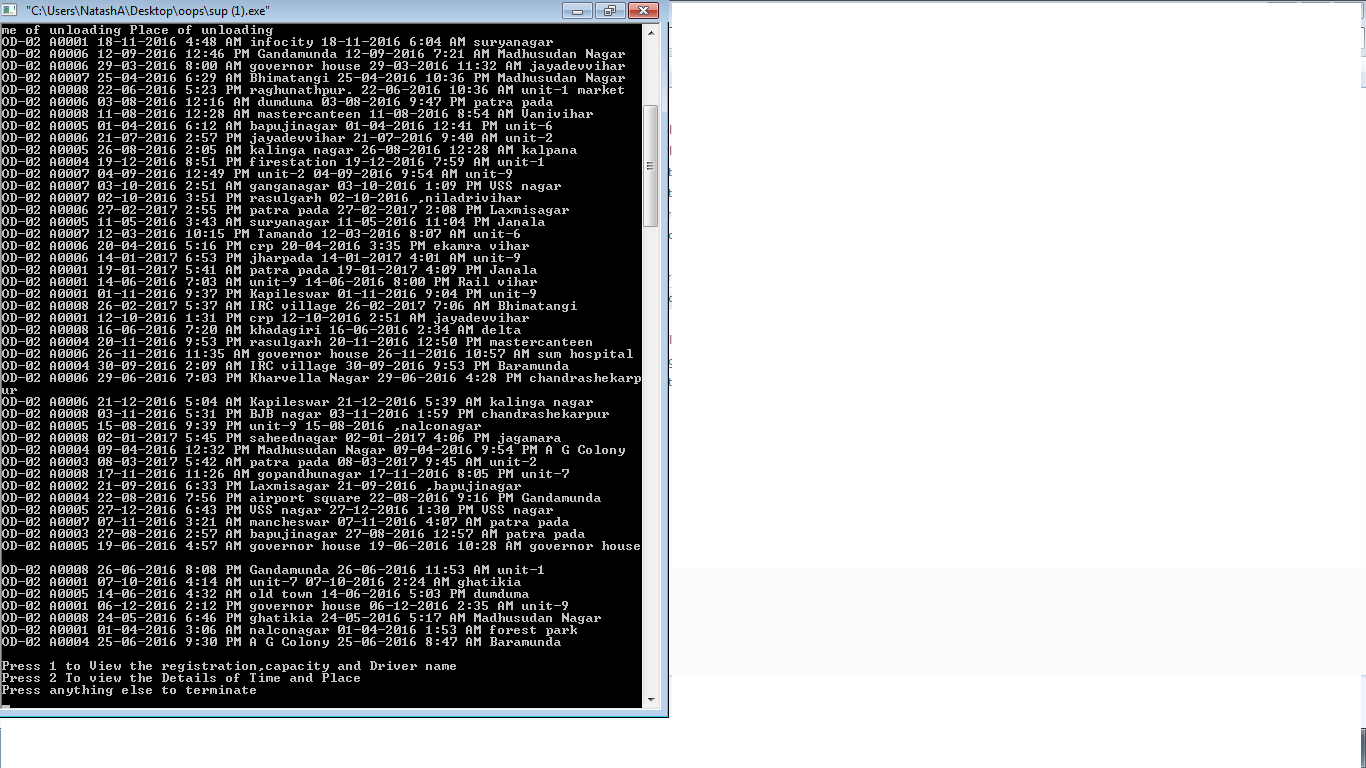
****

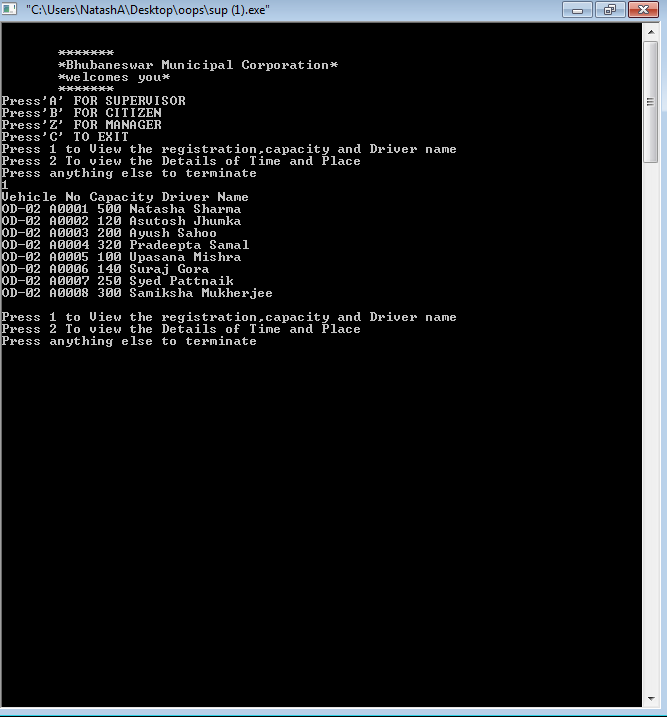
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