

***WELCOME***

**TO MY**

**PRESENTATION**

# **SOFTWARE DEVELOPMENT PROJECT - 1**

## **PROJECT NAME : NUMBER GUESS WITH LOGIN AND REGISTRATION**

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# Objectives :

**Introduction**

**How the programme Structured**

**Code Structure**

**Declaration of Login system**

**Declaration of Registration system**

**Declaration of Forgot Password system**

**Number guessing system**

**Challenges**

**Conclusion**

# Introduction

- 1.The programme Number Guess with Login and Registration is implemented with c++
- 2.There will be a person who must have the user ID to login if he don't have the User ID and Password he have to Registration first .
- 3.If someone forgot the password he can recover his /her password through User ID
- 4.After Completing the Login Process one can play the number guessing game (the must have some rules).
- 5.A person able to cancel the programme anytime

# Programme Structure

When the programme will run their will be showed a HOME MENU .  
Where you have chosee start or exit the programme.

Then you have to registration then you have to login and play the game

If you forgot the password then you can recover it through userid

Then play the game and any time you can exit the game while(you asked to give permission to continue the game)

```
int main()
{
    cout<<"\n\n\n";

    cout<< " \t\t\t*****HOME PAGE***** \n\n";
    cout<< "\t\tPress 7 to start the programme \n\t\tPress 3 to exit the
programme\n\n";
    string p; cin>>p;
    system("cls");
    if(p == "7")
    {
        cout<< "Make a choice form the choice list.\n\n";
        cout<< "\t\t\t || Welcome to the login page ||\n\n";
        cout<< "\t\t\t Choice list : \n\n";
        cout<< "\t\t\t *Press 1 to LOGIN\n";
        cout<< "\t\t\t *Press 2 to REGISTRATION \n";
        cout<< "\t\t\t *Press 3 to FORGOT PASSWORD\n";
        cout<< "\t\t\t *Press 4 to EXIT \n\n";
        int choice ;
        cin>>choice;
        cout<<endl;
```

```
switch (choice)
{
    case 1 :
        login();
        break;
    case 2 :
        registration();
        break;
    case 3 :
        forgot();
        break;
    case 4 :
        {
            system("cls");
            cout<< "\n\n\t\tThank You\n\t\t Now you are out from the login page\n\n";
            main();
            break;
        }
    default :
        system ("cls");
        cout<< "You make the wrong choice\n\n";
        main();
}
```

```
else if(p=="3")
{
    system("cls");
    cout<< "\n\n\t\tYou quite the
game\n";
    cout<< "\n\n\n";
    return 0;
}
else
{
    cout<< "You make the wrong choice\n";
    main();
}
}
```



# LOGIN SYSTEM

To logging into the programme you will be asked for the user Id and password

Before Login you have to registration first

Here the code for login.

```
void login()
{
    int flag;
    string userId,password,id ,pass;
    system("cls");
    cout<< "\t\t\t *****Login Page*****\n\n";
    cout<< "Enter the username and password \n\n";
    cout<< "Username    : ";
    cin>> userId;
    cout<<"Password    : ";
    cin>>password;
    ifstream input("record.txt");
    while(input>>id>>pass)
    {
        if(id == userId && pass == password )
        {
            flag = 1;
            system("cls");
        }
    }
    input.close();
}
```

```
if(flag == 1)
{
    cout<<userId<< " . Your login is successful \n\nThanks for logging in \n\n";
    cout<< "Do you want to play number guessing game \n\n";
    cout<<"press 1 to yes \npress 2 to no\n\n";
    int pros ; cin>>pros;
    if(pros==1)
    {
        system("cls");
        play();
    }
    else if(pros == 2)
    {
        system("cls");
        main();
    }
}
else
{
    cout<<"Logging error \n Please check your logging id and login password \n\n";
    main();
}
}
```

# Registration System

For the Registration you will be asked for the user ID and password

You can set your User ID and password as your wish

After completing the registration you are able to Login

Here the code for Registration.

```
void registration()
{
    string ruserId,rpassword,rid,rpass;
    system("cls");
    cout<< "\t\t\t *****Registration Page*****
\n\n";
    cout<<"\t\t Enter the username  : ";
    cin>>ruserId;
    cout<<endl;
    cout<<"\t\t Enter the password : ";
    cin>>rpassword;
    ofstream reg("record.txt", ios::app);
    reg<<ruserId<<" "<<rpassword<<endl;
    system("cls");
    cout<<"\n\n\n";
    system("cls");
    cout<< "Registration is successful  \n\n";
    main();
}
```

# Forgot Password System

In forgot password system you will be able to recover your password through your user id .

You will be asked for your user id and the programme will read the record file of user id and password if the userid matched the it will give you the password .

And if it not found then it will show that id is not found.

Here the code for Recover Password.

```
void forgot()
{
    cout<<"\t\t\t *****Password Recover Page*****\n\n";
    int press;
    system("cls");
    cout<< "Do you forgot the password ?\n";
    cout<< "Don't worry \n\n press 1 to recover the passwor through userid\n\n";
    cout<< " Press 2 for go to the main menu\n\n";

    cout<< "Enter your choice : ";
    cin>>press;
    cout<<endl;
    switch (press)
    {
        case 1:
        {
            int flag= 0;
            string userId,sId ,spass;
            system("cls");
            cout<<" \n\t\t\t Enter the username  : ";
            cin>>userId;
            ifstream forgt("record.txt");
            while(forgt>>sId>>spass)
            {
                if(sId == userId)
                {
                    flag = 1;
                }
            }
            forgt.close();
        }
    }
}
```

```
if(flag == 1)
{
    system("cls");
    cout<<"\n\n Your account is found\n";
    cout<<"\n Your password is : "<<spass<<endl;
    main( );
}
else
{
    cout<< "\n\t Sorry ! Your account is not found\n\n";
    main( );
}
break;
}
case 2:
{
    system("cls");
    main();
    break;
}
default :
    cout<< "wrong choice\nn";
    forgot();
}
}
```



# Number Gussing system

In this secton you will provided some chips and you have to bet and then you have to guess the number

It can be easy,medium ,hard changing the range of guessing number

If you guess the correct number you will be rewarded and if you make the wrong guess then you will loss the chips.

Here the code for play the number guessing game.

```
void play()
{
    int exit_taka;
    cout<<endl;
    cout<< "          *** WELCOME TO NUMBER GUESSING GAME ***          \n"<<endl;
    cout<<endl;
    cout<< "Enter your age : ";
    int age;
    cin>>age;
    cout<<endl;
    if(age<18)
    {
        system("cls");
        cout<< "\n\n \t\tYou can't play casino . \n\t\tYou are under 18 so according to govt. rules you can't play this game. \n\n";
        main();
    }
    cout<<"Are you male or female \n  If you are a male press 1 \n Or if you are a female press any number.\n";
    int gender;
    cin>>gender;
    system("cls");
    string address;
    if(gender==1)
    {
        address = "Sir ";
    }
    else
    {
        address = "Mam ";
    }
}
```

```

cout<<endl;
    cout<<address<< "Here are the rules for playing the number guessing game....." <<endl;
    cout<< "\n\n\n";
    cout<< "
                ***/ RULES /***
                \n\n\n";
    cout<<"\t\t\t1. At first you will be provided 100 chips.        \n\n";
    cout<<"\t\t\t2. You have to set the amount of chips for bet.        \n\n";
    cout<<"\t\t\t3. Then you have to guess a number from 1 to 2.    \n \n";
    cout<<"\t\t\t4. If You guessing number is correct , you will gate 10x chips of you bet chips.\n\n";
    cout<<"\t\t\t5. If you guess the wrong number you will lose your beting chips.    \n\n";
    cout<<"\t\t\t6. You are allowed to play this game if you have minimum 1 chips.    \n\n";
    cout<<endl;
    cout<< "If you want to play you have to accept all the rule \n\n If you are not accepting any of the rule press 0 \n\n Or press 1 to
accept the rules ";
    int permission;

    cin>>permission;
    system("cls");
    cout<<endl;
    if(permission==0)
    {
        cout<<address<< "you cofirmed that you are quiting the game. \n";
        main();
    }
    if(permission == 1)
    {
        cout<<address<< "thanks for accepting the rules. You are in to the game.\n\n";
        int chips =100 ;
        system("cls");
        cout<< address<< " your total balance is      = " <<chips<< " chips\n\n";
        cout<< "\n\n";
        if(chips == 0)
        {
            cout<< "As you have 0 chips you are now out of this game\n\n";
            main( );
        }
    }

```

```

while(chips>0)
{
    cout<< " Make a decision : If you don't want to play this game write no \n\n If you want to play
this game write yes to continue : \n\n";

    string decision;
    cin>>decision;
    cout<<"You said : "<<decision<<endl<<endl;
    cout<< "\n\n";
    if(decision=="no")
    {
        cout<<address<< " you are out of this game \n\n";
        cout<< address<< " your total balance is = "<<chips<< " chips\n\n";
        chips = 0;
        main();
    }
    else if(decision == "yes")
    {
        cout<< "Enter your amount of chips for betting ";
        int bet_chips ;
        cin>>bet_chips;
        cout<< "\n\n";
        if(bet_chips>chips)
        {
            cout<< "You are not able to bet this amount of chips because you have only "<<chips<<" chips
available right now \n\n";
        }
    }
}

```

```

    if (bet_chips<=chips)
    {
        chips =chips - bet_chips ;

        int casino_number=rand()%2+1;

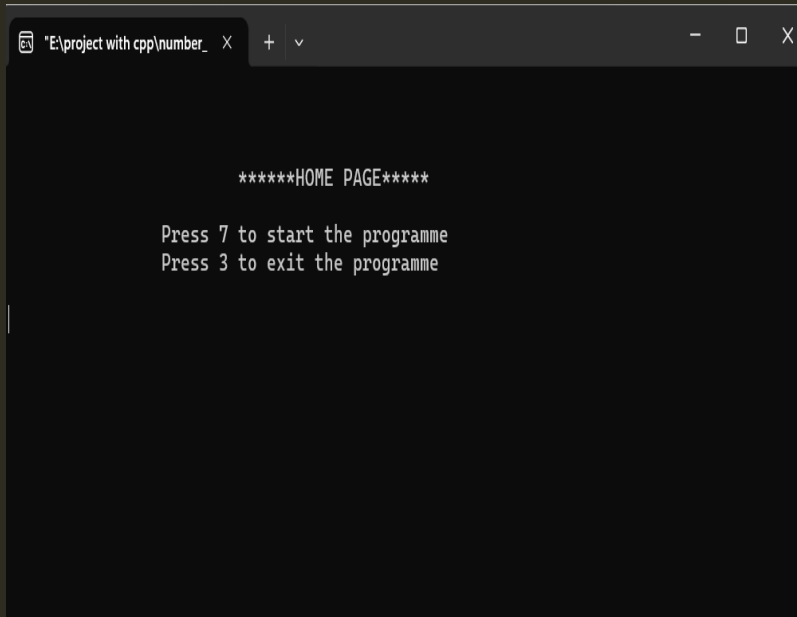
        cout<< "Enter your guessing number    ";
        int guess_number;
        cin>>guess_number;
        cout<< "\n\n";
        system("cls");
        if(casino_number == guess_number)
        {
            cout<< "Congratulations!!"<<address<<" You make the correct guess.          \n";

            chips = chips+bet_chips*10;
        }
        else
        {
            cout<< "Sorry!! "<<address<<" You make the wrong guess.  \n\n";
        }
        cout<<address<< "Your current chips amount is =  "<<chips<< " chips.\n\n";
        if(chips == 0)
        {
            main();
        }
    }
}
}
}
}

```

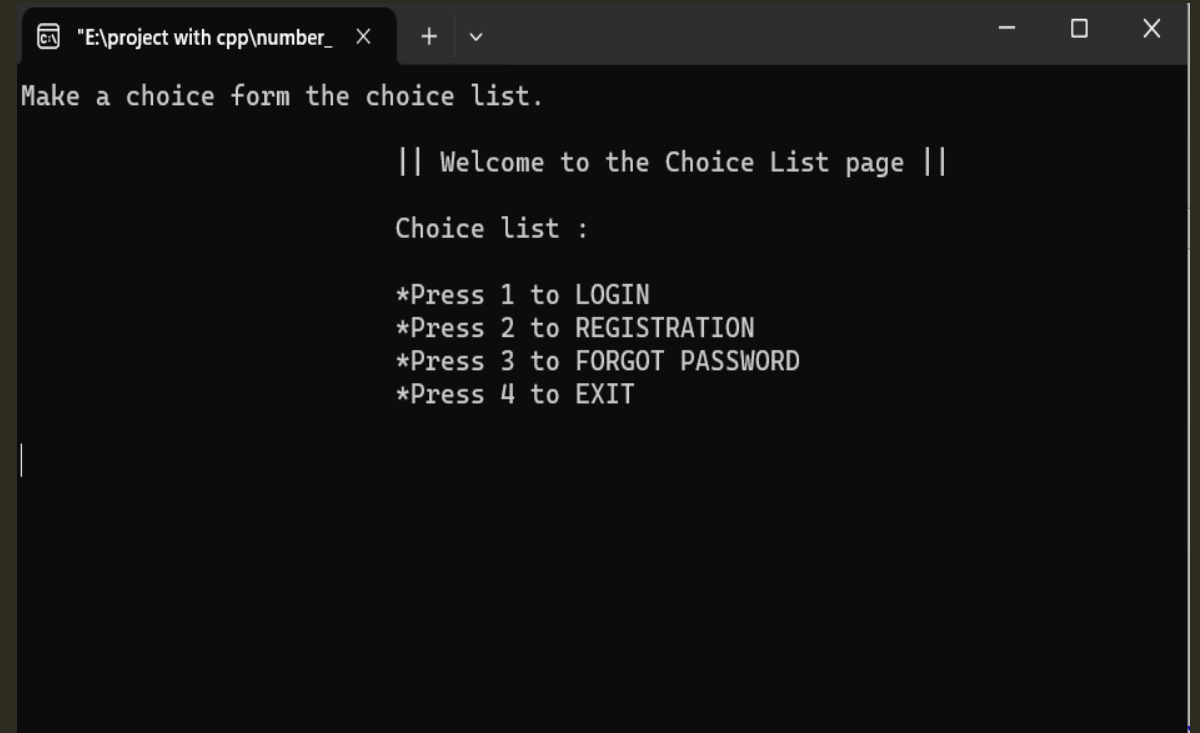
# Output

## Home page



```
"E:\project with cpp\number_ x + v
*****HOME PAGE*****
Press 7 to start the programme
Press 3 to exit the programme
```

## Choice list



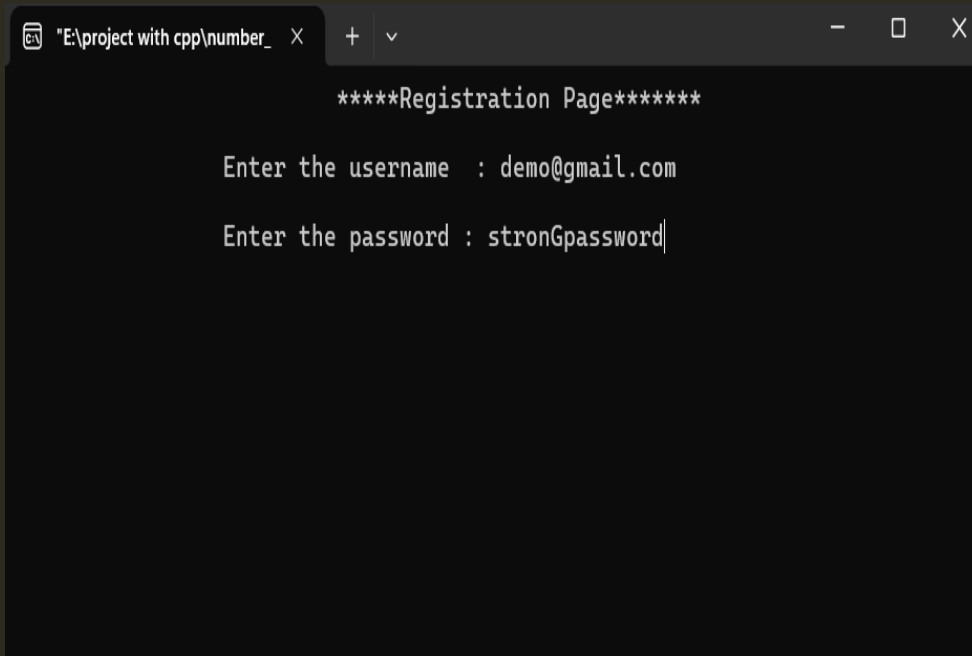
```
"E:\project with cpp\number_ x + v
Make a choice form the choice list.

|| Welcome to the Choice List page ||

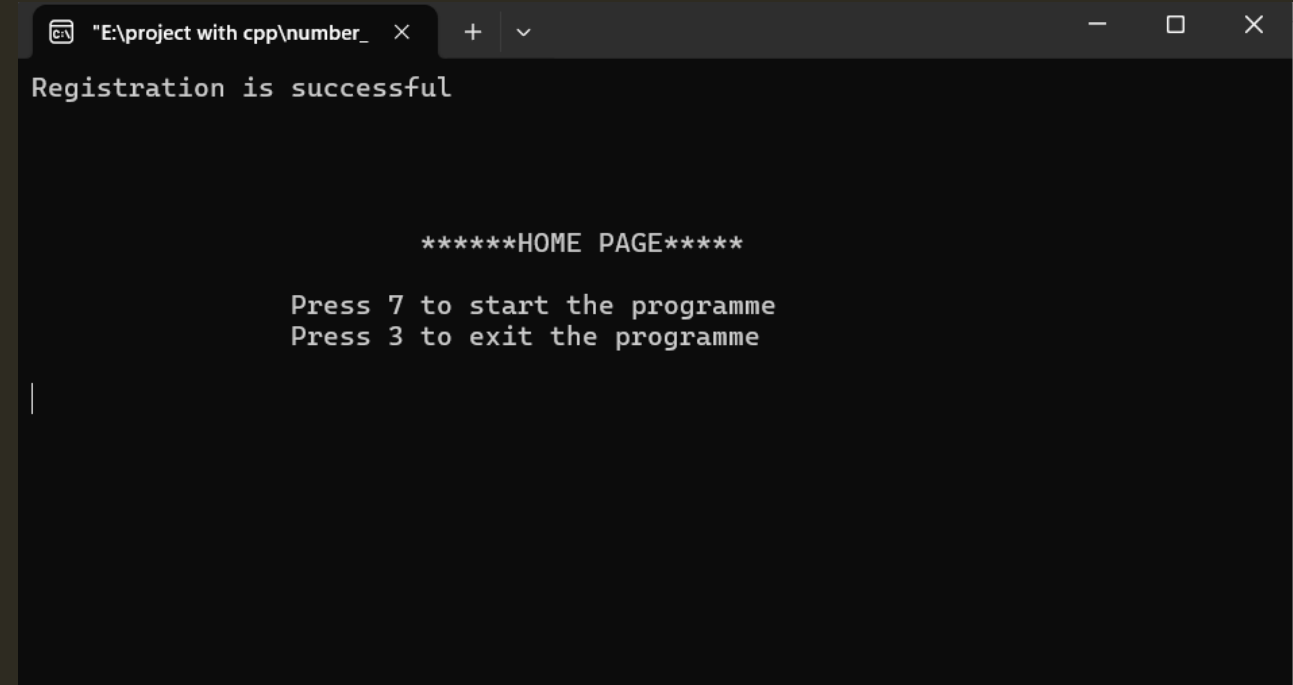
Choice list :

*Press 1 to LOGIN
*Press 2 to REGISTRATION
*Press 3 to FORGOT PASSWORD
*Press 4 to EXIT
```

## Registration page

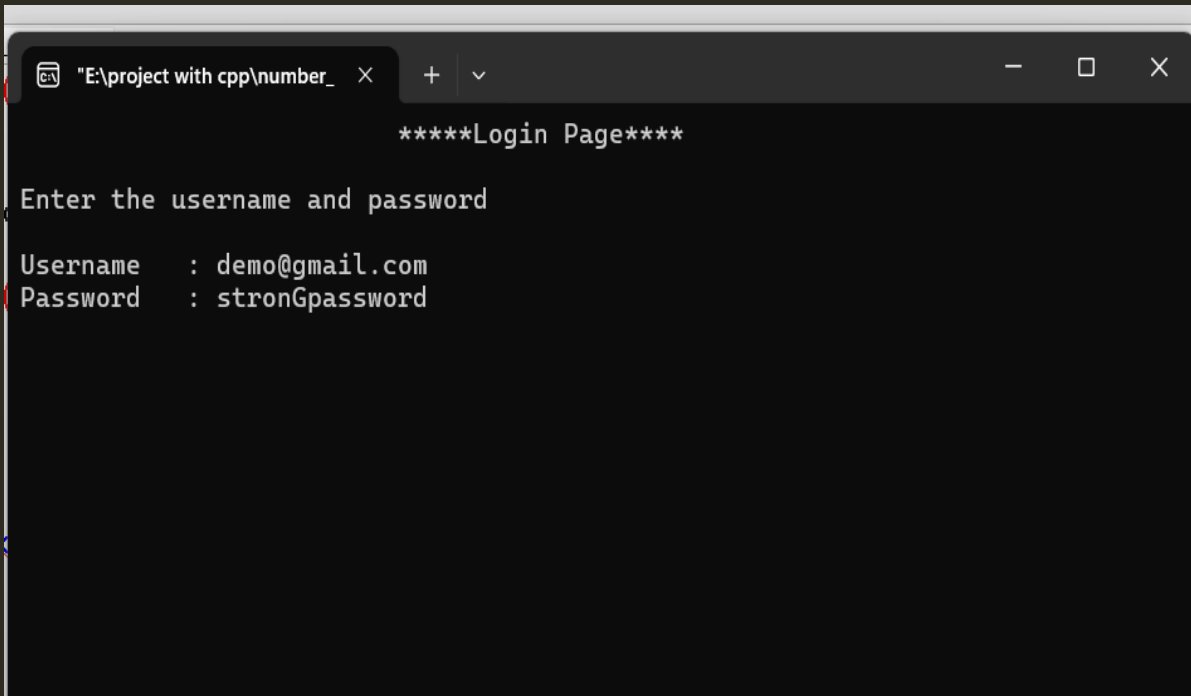


```
"E:\project with cpp\number_ X + v - □ X  
*****Registration Page*****  
  
Enter the username : demo@gmail.com  
  
Enter the password : stronGpassword|
```



```
"E:\project with cpp\number_ X + v - □ X  
Registration is successful  
  
*****HOME PAGE*****  
  
Press 7 to start the programme  
Press 3 to exit the programme  
  
|
```

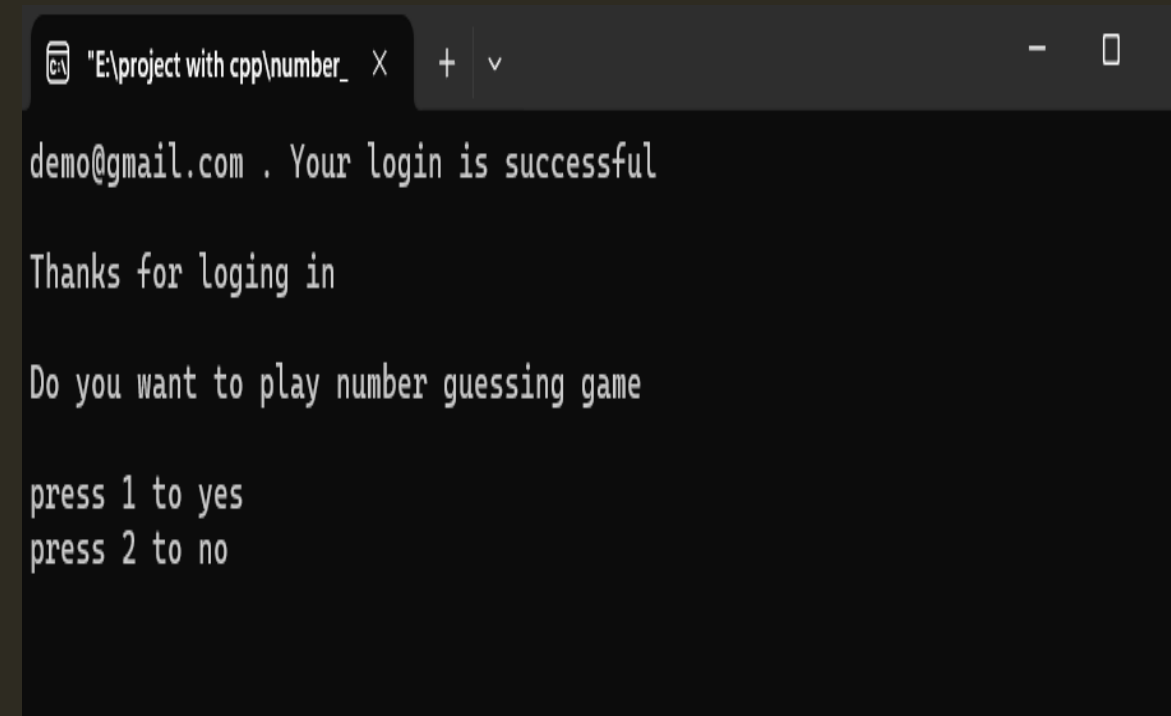
# Login Page



```
"E:\project with cpp\number_ X + v
*****Login Page*****

Enter the username and password

Username   : demo@gmail.com
Password   : stronGpassword
```



```
"E:\project with cpp\number_ X + v
demo@gmail.com . Your login is successful

Thanks for loging in

Do you want to play number guessing game

press 1 to yes
press 2 to no
```



# Number Guessing Game

```
"E:\project with cpp\number_ X + v
*** WELCOME TO NUMBER GUESSING GAME ***

Enter your age : 25

Are you male or female
  If you are a male press 1
  Or if you are a female press any number.
1
```

```
"E:\project with cpp\number_ X + v
***/ RULES /***

1. At first you will be provided 100 chips.
2. You have to set the amount of chips for bet.
3. Then you have to guess a number from 1 to 2.
4. If You guessing number is correct , you will gate 10x chips of you bet chips.
5. If you guess the wrong number you will lose your beting chips.
6. You are allowed to play this game if you have minimum 1 chips.

If you want to play you have to accept all the rule
If you are not accepting any of the rule press 0
Or press 1 to accept the rules
```

# Number Guessing Game

```
"E:\project with cpp\number_ X + v
Sir your total balance is = 100 chips

Make a decision : If you don't want to play this game write no

If you want to play this game write yes to continue :
```

```
"E:\project with cpp\number_ X + v
Sir your total balance is = 100 chips

Make a decision : If you don't want to play this game write no

If you want to play this game write yes to continue :

yes
You said : yes

Enter your amount of chips for betting 25

Enter your guessing number 1
```

# Number Guessing Game

```
"E:\project with cpp\number_ X + v
Sir your total balance is = 100 chips

Make a decision : If you don't want to play this game write no

If you want to play this game write yes to continue :

yes
You said : yes

Enter your amount of chips for betting 25

Enter your guessing number 1
```

```
"E:\project with cpp\number_ X + v

Sorry!! Sir you make the wrong guess.

Sir your current chips amount is = 75 chips.

Make a decision : If you don't want to play this game write no

If you want to play this game write yes to continue :
```

## Number Guessing Game

```
"E:\project with cpp\number_ x + v
Congratulations!!Sir . you make the correct guess.
Sir your current chips amount is = 93 chips.

Make a decision : If you don't want to play this game write no

If you want to play this game write yes to continue :

no
You said : no

Sir you are out of this game

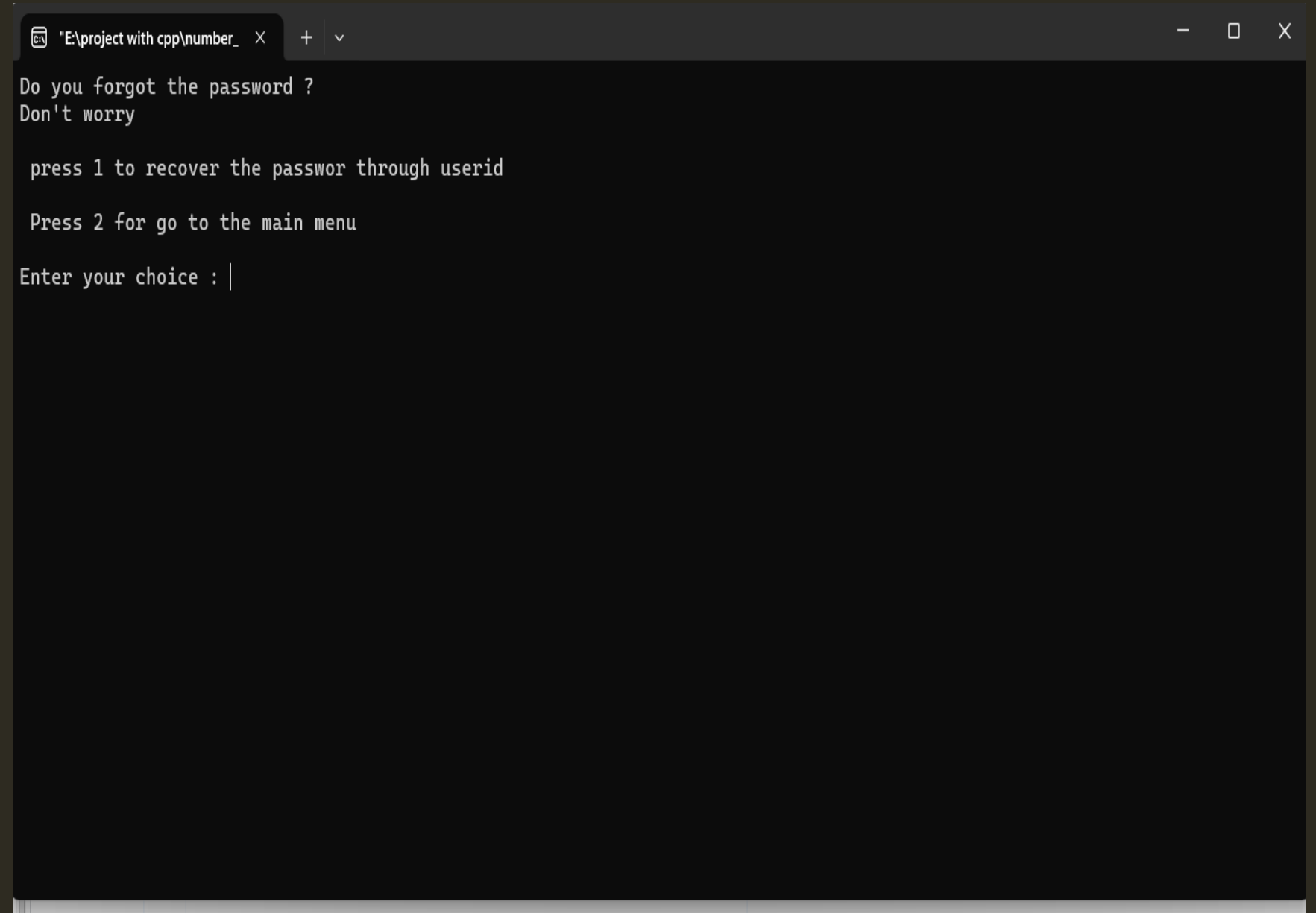
Sir your total balance is = 93 chips

*****HOME PAGE*****

Press 7 to start the programme
Press 3 to exit the programme

|
```

# Password Recover



```
Do you forgot the password ?  
Don't worry  
  
press 1 to recover the passwor through userid  
  
Press 2 for go to the main menu  
  
Enter your choice : |
```

# Password Recover

```
"E:\project with cpp\number_ X + v

Enter the username : demo@mail.com

Sorry ! Your account is not found

*****HOME PAGE*****

Press 7 to start the programme
Press 3 to exit the programme
```

```
"E:\project with cpp\number_ X + v

Your account is found

Your password is : stronGpassword

*****HOME PAGE*****

Press 7 to start the programme
Press 3 to exit the programme

|
```

Your account is found

Your password is : stronGpassword

\*\*\*\*\*HOME PAGE\*\*\*\*\*

Press 7 to start the programme

Press 3 to exit the programme

|

# Challenges

For this programme we need to learn File Handling(how to write and read from the file).

We need to learn how to generate a random number.

Basic of c++ language (string,lopp etc.).

Make sure a guideline for the new user to perform the programme perfectly.



# Conclusion

- 1.This Number guess with login and registration is challenging programme and help one to learn c++ language well.
- 2.It helps to improve coding skill and understand file handling.
- 3.The project can be extended to implement to a Online game.

**THANK  
YOU**