AcceptancTesting

UAT Execution

Date	11 November 2022
Team ID	PNT2022TMID28916
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive DashBoard
Maximum Marks	2 Marks

1. Moving to the Login verification page once the login credentials are given

We found this bug where once the user enters the login details like the username and the password it should automatically go to the login verification page and then direct them to the prediction page but instead we did not get that as the output but instead it should the login page again so we had to go to the sign-up page definition and change the command link to the verification page and then we were able to get the desired output.

Once this was solved the verification page was displayed and the bug was cleared. This was found during the user acceptance testing when we were testing all the test cases.

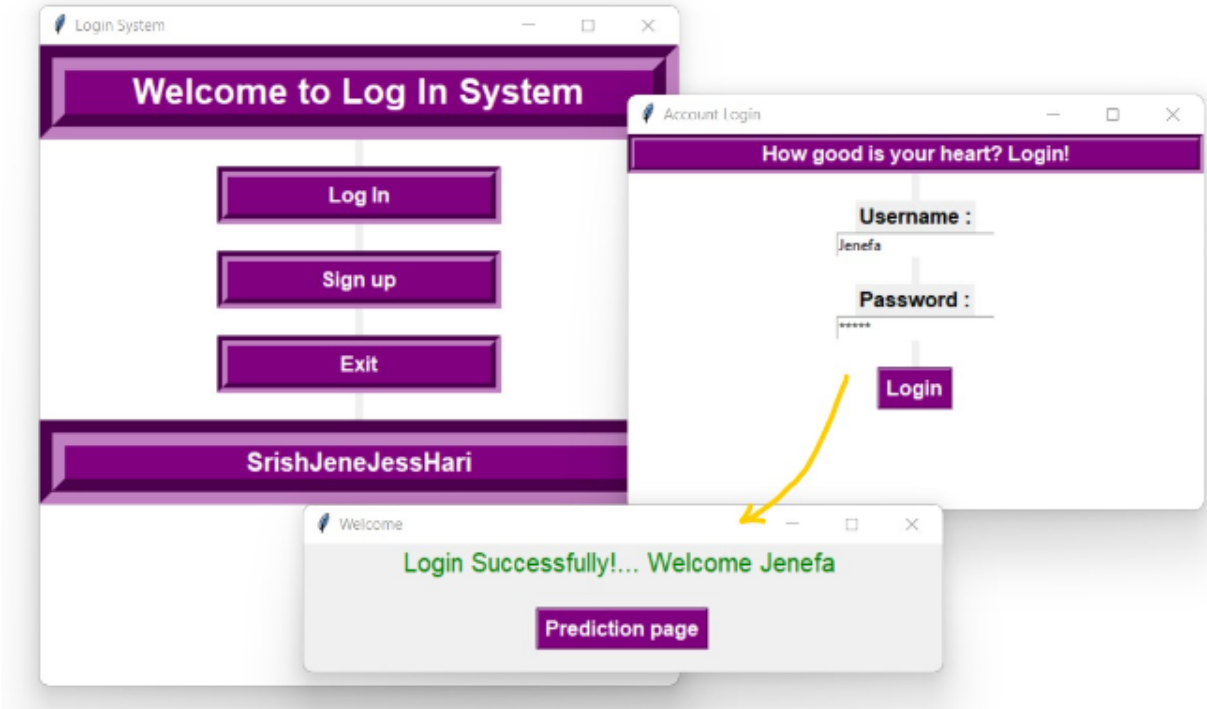
The below image is where we have made the change that is the program after solving or fixing the bug.

```
def signup():
 global root2
 root2 = Toplevel(root)
 root2.title("Account signup")
 root2.geometry("450x300")
 root2.config(bg="white")
 global username_verification
 global password_verification
 Label(root2, text='New user? signup to login!!!', bd=5,font=('arial', 12, 'bold'), relief="groove", fg="white",
 bg="blue",width=300).pack()
 username_verification = StringVar()
 password_verification = StringVar()
 Label(root2, text="").pack()
 Label(root2, text="Username :", fg="black", font=('arial', 12, 'bold')).pack()
 Entry(root2, textvariable=username_verification).pack()
 Label(root2, text="").pack()
 Label(root2, text="Password :", fg="black", font=('arial', 12, 'bold')).pack()
 Entry(root2, textvariable=password_verification, show="*").pack()
 Label(root2, text="").pack()
 Button(root2, text="Login", bg="blue", fg='white', relief="groove", font=('arial', 12, 'bold'),command=login).pack()
 Label(root2, text="")
 sql = "INSERT INTO heart1 (user_name, password) VALUES (%s, %s)"
 val = ('?','?')
 cursordb.execute(sql, val)
```

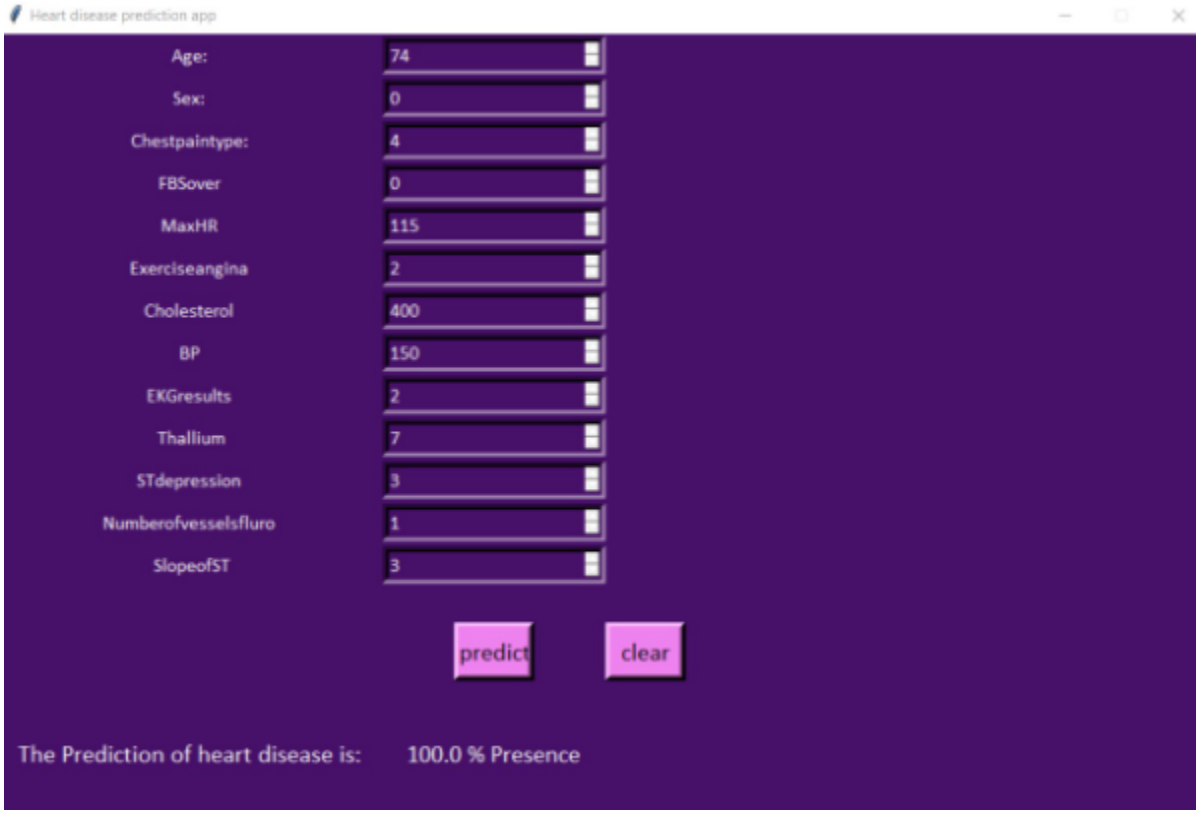
2. Login verification page leading to the prediction page

This was the next problem where we found the bug while doing the user acceptance testing where the user gets verified but the page won't direct to the predicting page but will exit instead this is the same problem as the previous where there was an error in the connection rather than the code or its logic.

This displays an exception error and it was fixed. The given output is from what happens after the bug is cleared.



After this step, it will automatically go to the next page which is the prediction page.



This is the correct expected output.

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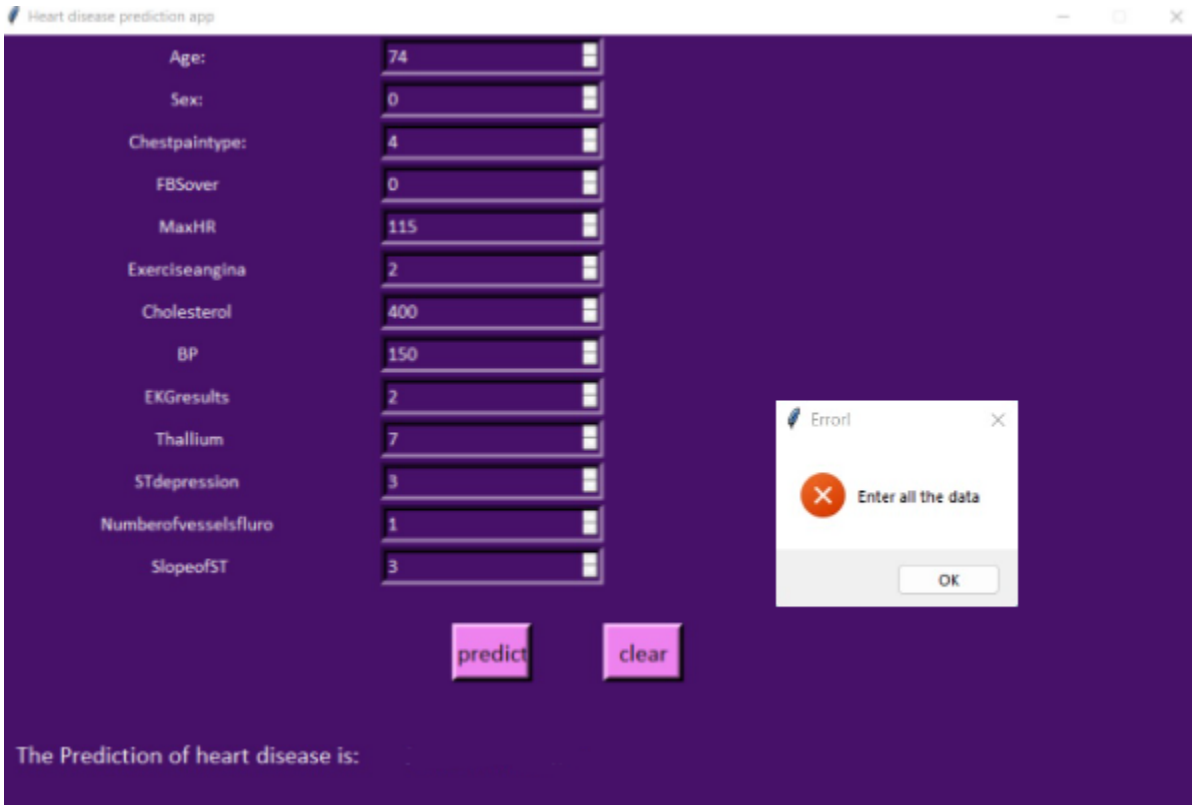
3. Not accepting 0 as an input value in prediction page

Whenever we give 0 as an input we got an error: “Enter all data” the output was not displayed and we had to make a few changes in the logical operators between the ANDs and the ORs and was able to get the output.



This is our code after changing the logic and clearing the bugs from the code snippet attached below and the error was rectified in line 113.

```
def pred1():
    Age1=(Age.get())
    Sex1=(Sex.get())
    Chestpaintype1=(Chestpaintype.get())
    FBSover1=(FBSover.get())
    MaxHR1=(MaxHR.get())
    Exerciseangina1=(Exerciseangina.get())
    Cholesterol1=(Cholesterol.get())
    BP1=(BP.get())
    EKGresults1=(EKGresults.get())
    Thallium1=(Thallium.get())
    STdepression1=(STdepression.get())
    Numberofvesselsfluro1=(Numberofvesselsfluro.get())
    SlopeofST1=(SlopeofST.get())
    print(Age1,Sex1,Chestpaintype1,FBSover1,MaxHR1,Exerciseangina1,Cholesterol1 , BP1 , EKGresults1 , Thallium1, STdepression1, Numberofvesselsf
    if Age1 or Sex1 or Chestpaintype1 or FBSover or MaxHR1 or Exerciseangina1 or Cholesterol1 or BP1 or EKGresults1 or Thallium1 or STdepression
        p=model.predict([[Age1,Sex1,Chestpaintype1,FBSover1,MaxHR1,Exerciseangina1,Cholesterol1,BP1,EKGresults1,Thallium1,STdepression1,Numberof
        p2=model.predict_proba([[Age1,Sex1,Chestpaintype1,FBSover1,MaxHR1,Exerciseangina1,Cholesterol1,BP1,EKGresults1,Thallium1,STdepression1,N
        print(p[0])
        p3=round(max(p2[0])*100,2)
        p4=str(p3)+" % "+str(p[0])
        lb6.configure(text=p4)

```

The corrected output is:

No error even when 0 is given as input it will accept it without any error.

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4. Not printing the result on the prediction page

This was a bug that was found while printing and this is a logical error an by simply manipulating the code we were able to get the right input easily.