

## David Hovey SDEV 300 Project 8 Program

Test Case notes: All test cases are with the username 'testuser'

Test Case 1 – successful login

Password: testpassword

Result – user is logged in

Test Case 2 – password reset (invalid length)

New Password: one

Repeat Password: one

Result – Error is displayed (password is too short)

Test Case 3 – Password reset (common password)

New Password: password

New Password: password

Result – Error is displayed (password is too common)

Test Case 4 – Password reset (successful)

New Password: garbagecat

New Password: garbagecat

Result – success message is displayed (password has been updated)

Test Case 5 – verify password reset

Click logout

Attempt to login with

Username: testuser

Password: garbagecat

Expected outcome: successful login

Test Case 6 – unsuccessful login (invalid username and password)

Password – ineesomesleep

Result – error message displayed (username and password invalid)

Test Case 7 – 15 unsuccessful log-ins (user time out)

Password: seriouslyneedsleep

Result – when entered 15 message a timeout lock is put in place and a message is displayed that will alert the user of the time remaining on the lock, no further login attempts will be processed until the termination of the lock

Test Case 8 – logging

View the Console after test case 7 and logs should be displayed showing the number of failed login attempts and the location of the IP address.

The check log is called every time the login button is clicked and the log file is never automatically emptied, if required, delete the logfile, the program will recreate it

(Screen Shots below)

Test Case 3

David Hovey SDEV 300 message decoding

1)

- .... / ...- / ...- / -.-.-.-.- / -.-.-.-.- / .... / ....- / ...-.-.-.-.- / -.-.-.-.-  
...-.-.-.-.-

-answer – Morse Code - THIS/ SDEV/ 300/ CLASS/ HAS/ SOME/ STRANGE/ REQUESTS.

2) U28gdGhpcyBpcyBiYXNINjQuIE5vdyBJIGtub3cu

Answer – Base 64 - So this is base64. Now I know.

3)W oa gc qzsjsf. Bc cbs qcizr dcgwpzm twuifs hwwg cih. --- Sbr Ysm ---

Answer – 12 letter shift A -> M - I am so clever. No one could possibly figure this out. --- End Key  
---

(program Screen shots)

Browser: Hovey p8, localhost:5000

### User Login System

username

password

[login](#)

Browser: Hovey p8 logged in, localhost:5000/logged-in

You have successfully logged in as testuser

### You are now logged in!

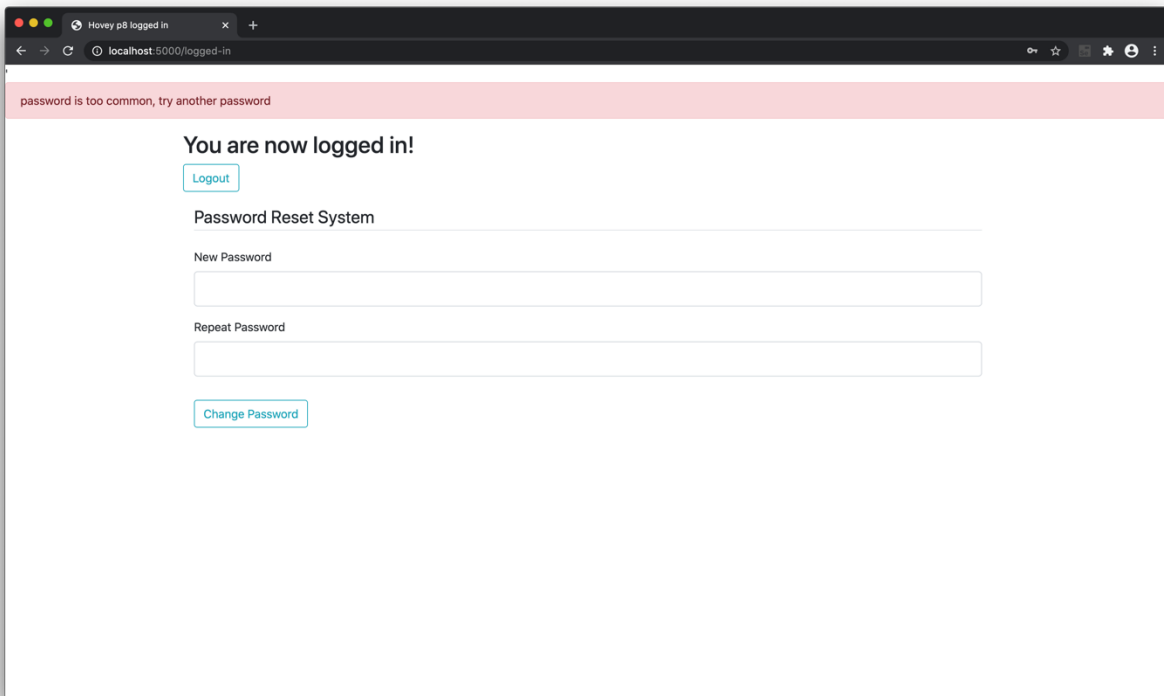
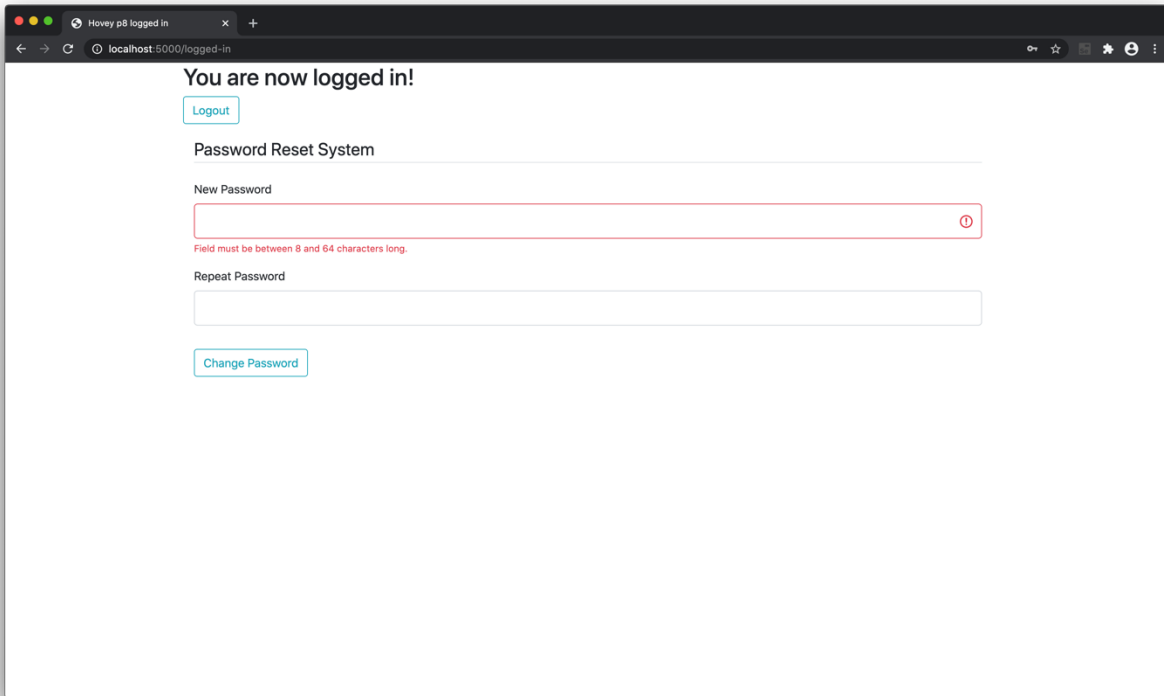
[Logout](#)

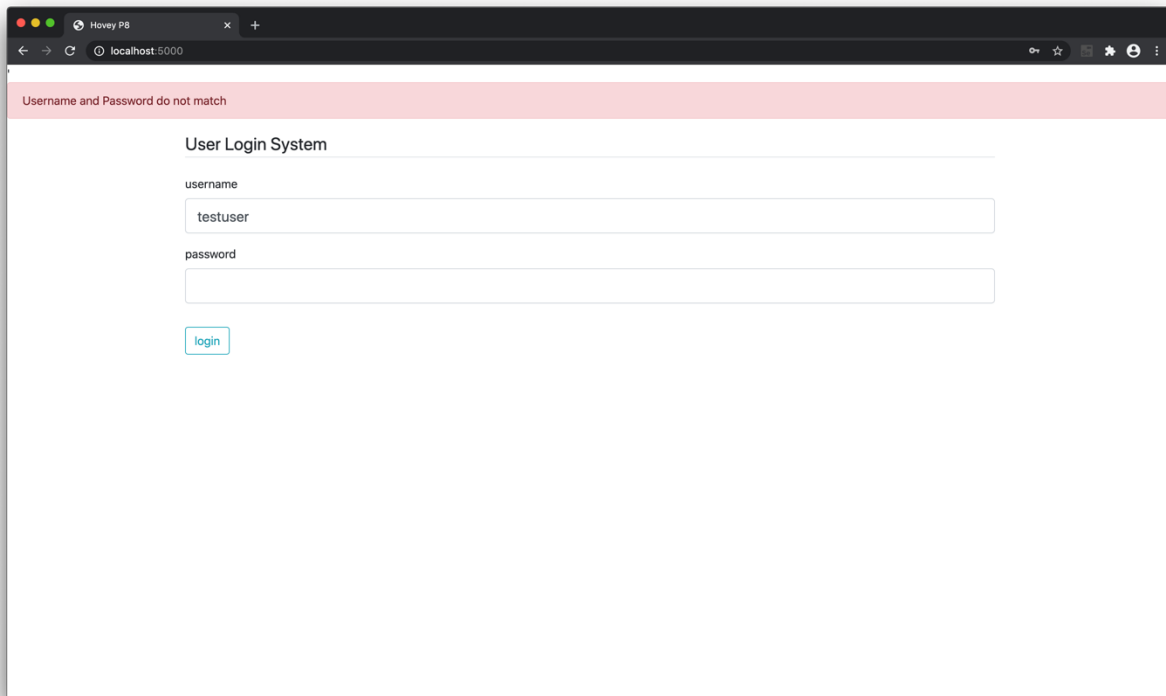
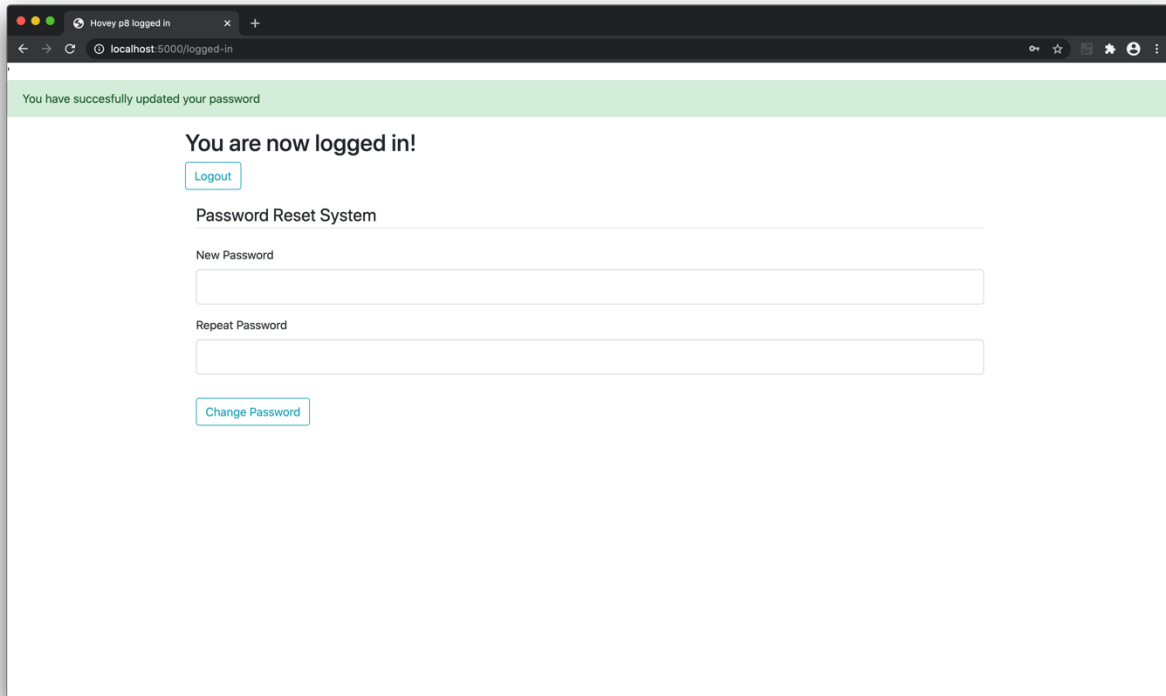
### Password Reset System

New Password

Repeat Password

[Change Password](#)

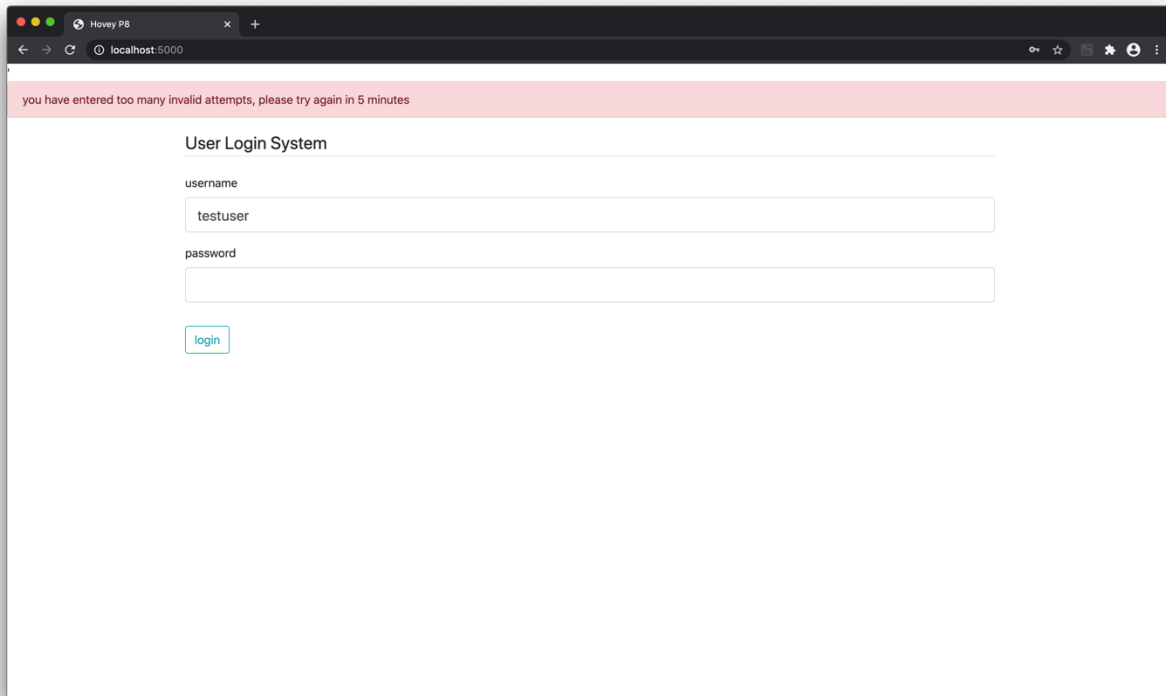




```
-----  
127.0.0.1 -- [15/Jul/2020 00:17:49] "POST / HTTP/1.1" 200 -
```

```
10 failed attempts from location: 97.96.92.49  
Lakeland  
Florida  
US  
28.0394654  
-81.9498042
```

```
-----  
127.0.0.1 -- [15/Jul/2020 00:17:52] "POST / HTTP/1.1" 200 -  
[]
```



The screenshot shows a web browser window with the title "Hovey PB" and the address bar displaying "localhost:5000". A red error banner at the top reads: "you have entered too many invalid attempts, please try again in 5 minutes". Below the banner is a "User Login System" form. The form contains two input fields: "username" with the value "testuser" and "password" which is empty. A "login" button is located below the password field.

you have entered too many invalid attempts, please try again in 5 minutes

### User Login System

username

password

login