


# Password Security /Authentication Using Facial Recognition



Group 14

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# Introduction

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- Online security has been a major concern since the time when the Internet became a necessity for the society, from business activities to everyday life of ordinary people. A fundamental aspect of online security is to protect data from unauthorized access.
- The most commonly used method for doing this is to use password as part of the online access process. Password is a secret character string only the user knows and its hashed code is stored on the server that provides access to the data. When the user requests for data access, he enters the password and gets the data.
- Password has been a predominating approach for user authentication to gain access to restricted resources. The main issue with password is its quality or strength, i.e. how easy (or how hard) it can be “guessed” by a third person who wants to access the resource that you have access to by pretending being you. In this project, we review various metrics of password quality and compare their strengths and weaknesses as well as the relationships between these metrics.

# Literature Review

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- With the rapid beginning of national and international networks, the question of system security has become one of growing importance.
- High speed inter-machine communication have made the threats of system “crackers,” data theft, data corruption very real.
- Good password practices are critical to the security of any information system.
- End users often use weak passwords that are short, simple, and based on personal and meaningful information that can be easily guessed.
- A survey was conducted among executive MBA students who hold managerial positions and the results of the survey indicate that users practice insecure behaviors in the utilization of passwords.

# Challenges

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- **Brute Force/Cracking**

A common way for attackers to access passwords is by brute forcing or cracking passwords. These methods use software or automated tools to generate billions of passwords and trying each one of them to access the user's account and data until the right password is discovered.

- **Weak Passwords**

Since users have to create their own passwords, it is highly likely that they won't create a secure password. It might be because users want to have a password that's easy to remember, or they aren't up-to-date with password security best practices, or they use patterns to generate their passwords like using their name or birthdate in their passwords.

- **Reuse of Passwords and Use of Compromised Passwords**

Often, users tend to use similar passwords across different networks and systems which makes their passwords vulnerable to hacking.

# Motive behind password security systems

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- Most of our online accounts are protected by a username and password combination. These passwords protect the data that we store in our accounts, whether that is our bank details, our purchase history or our home address.
- If you have weak passwords, a hacker can gain access to your account. And if you use the same password on every website, you'll lose everything: your bank accounts, payment info, personal documents, and access to other sensitive accounts.
- To create a strong password, it's essential to know the most common password combinations. The word "password," number strings like "12345," certain words like "cat," and your name or a relative's name take only seconds to crack. Hackers commit break-ins so quickly that you won't know what happened until it's too late.
- Use special characters, lowercase letters, uppercase letters, and randomized strings of letters and numbers to create a secure password. A hacker could guess a common word, but they won't guess a password like "9a4Fd5hd67M90op@" that virtually no one else on the planet uses.



# Methodology





# What Makes A Strong Password?

Generally speaking, the strength of a password is determined by three things: the length of the character set, the length of the password, and to a lesser extent, the variety in characters chosen.

With all the data breaches we see on the news these days, it can sometimes be scary to trust companies with your sensitive information. However, in many cases, sensitive data is gained by an attacker taking advantage of users implementing weak passwords.

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# How do the factors determine password strength?



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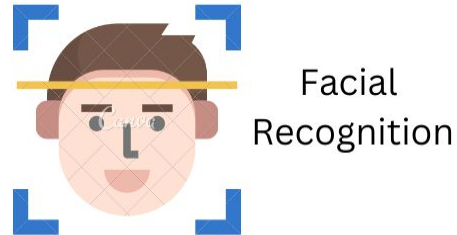
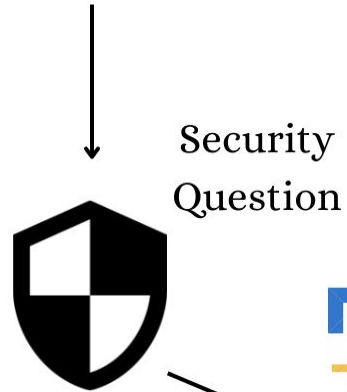
- Although an optimal password consists of many different types of characters and is very lengthy, there, of course, needs to be a balance
- A common technique to help balance these two is to substitute letters for numbers/symbols that look like those letters.
- This is typically a good practice as long as the password is lengthy, but attackers also know about these techniques and will search for such passwords as well.
- Finally, tacking on a few extra numbers/symbols to the end of the password can go a long way to keep attackers at bay.

Here's a chart that shows the relative strength of passwords, calculated against modern brute force attacks. It's worth mentioning that as technology advances and brute-force abilities increase, these passwords become weaker.

Password Strength Chart		SANDSTORM <sup>IT</sup> power on
This is based on the average brute forcing (botnet) power in 2019.		
<b>123456</b> Top 10,000 password	0.20 milliseconds	Unsafe
<b>qwerty123456</b> Longer "common" password	13 hours	Unsafe
<b>ITFunSom3times</b> Longer password with numbers	48 thousand years	Risky
<b>ITi\$fun\$0m3times!</b> Longer password with numbers and special characters	13 trillion years	Good
<b>imusingalongpasswordtoday</b> Even Longer password	913 trillion years	Better
<b>imu\$ingalongpa\$\$word+oday!</b> Even Longer password with numbers and special characters	2 octillion years	Best
Please Note: These passwords are for demonstration purposes ONLY and are not to be used.		

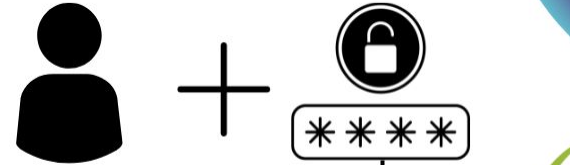
# STEP-BY-STEP REPRESENTATION

	Username
	Password



REGISTER	LOGIN
----------	-------

Username Password



Security Question



LOGGED IN



Blocked



Facial Recognition

# Programing Languages

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- HTML
- JSON
- PYTHON
- PYCHARM
- MYSQL

# Design Goals

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Our design goals for this specific functionality are relatively small.

- Provide visual feedback to the user regarding the strength of their password.
- The feedback has to be instantaneous. This means no clicking on a button to test the strength.
- We've chosen to change the background colors as well to draw the user's attention to this.
- Provide additional quantifiable feedback so the user knows in which departments the password lacks strength and how it can be improved.

# Scope for future work

---

Passwords provide the first line of defense against unauthorized access to your computer and personal information. A vast number of Cyber crimes occurs due to accessing of password of an individual, without their knowledge. It is impossible to stop hackers from accessing passwords and getting data. But we can definitely make their path burdensome. The stronger your password, the more protected your computer will be from hackers and malicious software. Therefore the scope of this work is that we make it terrible for the hackers to decode passwords.

# Codes:Password Strength

Python Passwordstrengthdetectionnew.py - C:\Users\Admin\Desktop\Passwordstrengthdetectionnew.py (3.11.1)

File Edit Format Run Options Window Help

```
print('''
NOTE: *Include numbers, special character, uppercase and lowercase
      inorder to make your password STRONG!!!*
''')

while True:
    password = input("Enter new password:")
    u = '@_!#$%^&*()<>?/\|}{~:|'

    result = {}

    if len(password) >= 8:
        result["length"] = True      #length
    else:
        result["length"] = False

    digit = False
    for i in password:
        if i.isdigit():              #digits
            digit = True

    result["digits"] = digit

    uppercase = False
    for i in password:
        if i.isupper():              #uppercase
            uppercase = True

    result["upper-case"] = uppercase

    special_character = False
    for i in password:
        if i in u:                   #splcharacter
            special_character = True

    result["special_character"] = special_character

    print(result)
    print(result.values())

    if all(result.values()):
        print("Strong password")
        reenter = input("Re-enter Password:")      #result
```

Ln: 41 Col: 55



# Codes:Password Strength

Python Passwordstrengthdetectionnew.py - C:\Users\Admin\Desktop\Passwordstrengthdetectionnew.py (3.11.1)

File Edit Format Run Options Window Help

```
result["length"] = True #length
else:
    result["length"] = False

digit = False
for i in password:
    if i.isdigit():
        digit = True

result["digits"] = digit

uppercase = False
for i in password:
    if i.isupper():
        uppercase = True

result["upper-case"] = uppercase

special_character=False
for i in password:
    if i in u:
        special_character=True
result["special_character"]=special_character

print(result)
print(result.values())

if all(result.values()):
    print("Strong password")
    reenter=input("Re-enter Password:")
    if password==reenter:
        print("Password Saved")
        break
    else:
        print("Wrong Password,try again")
else:
    print("Weak password")
    print('')
REMINDER:#Include numbers,special character,uppercase and lowercase in password#''')
```

# Output: Password Strenght

```
IDLE Shell 3.11.1
File Edit Shell Debug Options Window Help

Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:\Users\Admin\Desktop\Passwordstrengthdetectionnew.py =====

NOTE:*Include numbers,special character,uppercase and lowercase
inorder to make your password STRONG!!!*

Enter new password:password
{'length': True, 'digits': False, 'upper-case': False, 'special_character': False}
dict_values([True, False, False, False])
Weak password

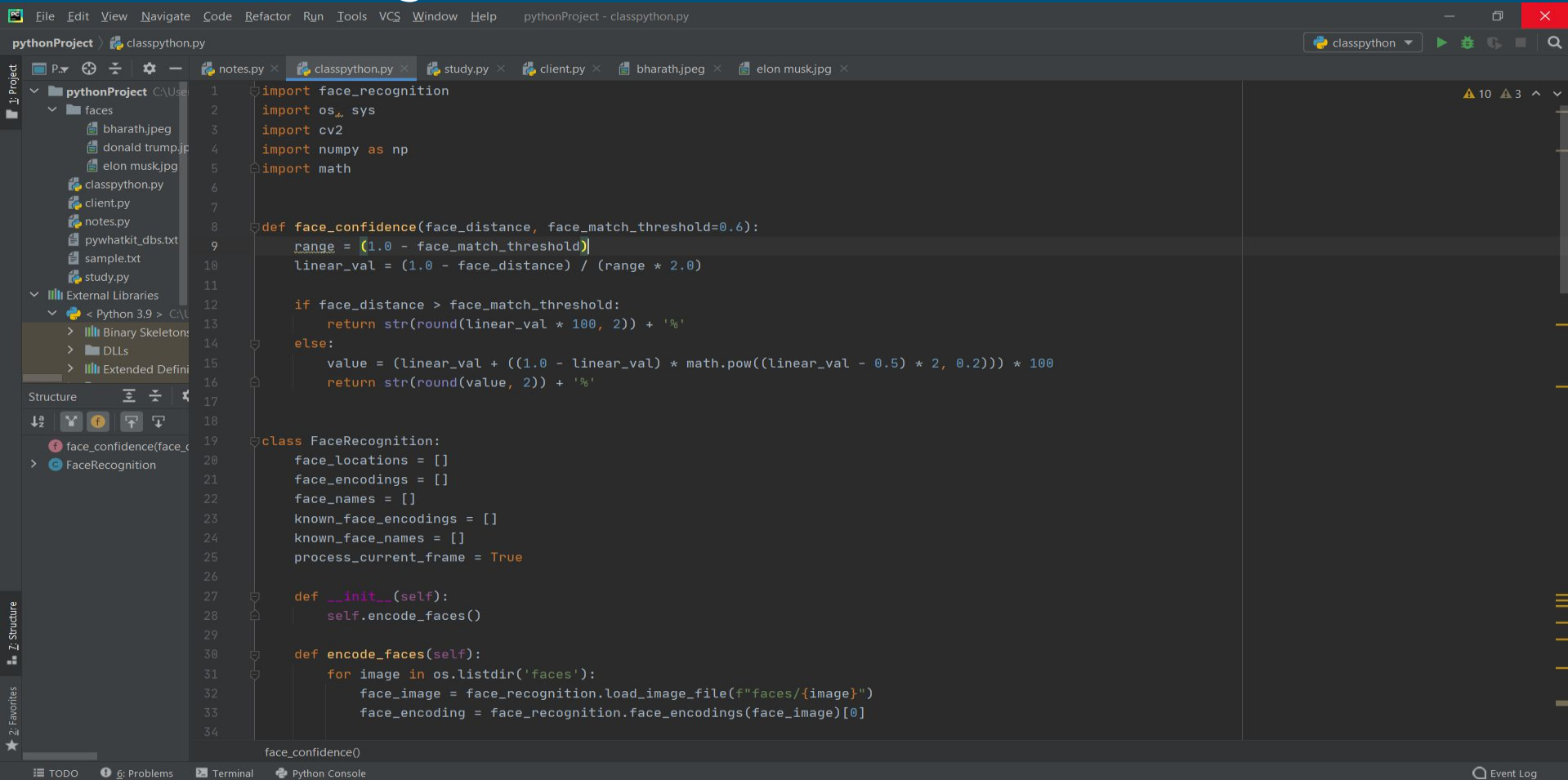
REMINDER:#Include numbers,special character,uppercase and lowercase in password#
Enter new password:password1
{'length': True, 'digits': True, 'upper-case': False, 'special_character': False}
dict_values([True, True, False, False])
Weak password

REMINDER:#Include numbers,special character,uppercase and lowercase in password#
Enter new password:Password1
{'length': True, 'digits': True, 'upper-case': True, 'special_character': False}
dict_values([True, True, True, False])
Weak password

REMINDER:#Include numbers,special character,uppercase and lowercase in password#
Enter new password:P@ssword1
{'length': True, 'digits': True, 'upper-case': True, 'special_character': True}
dict_values([True, True, True, True])
Strong password
Re-enter Password:password
Wrong Password,try again
Enter new password:P@ssword1
{'length': True, 'digits': True, 'upper-case': True, 'special_character': True}
dict_values([True, True, True, True])
Strong password
Re-enter Password:P@ssword1
Password Saved

>>>
|
```

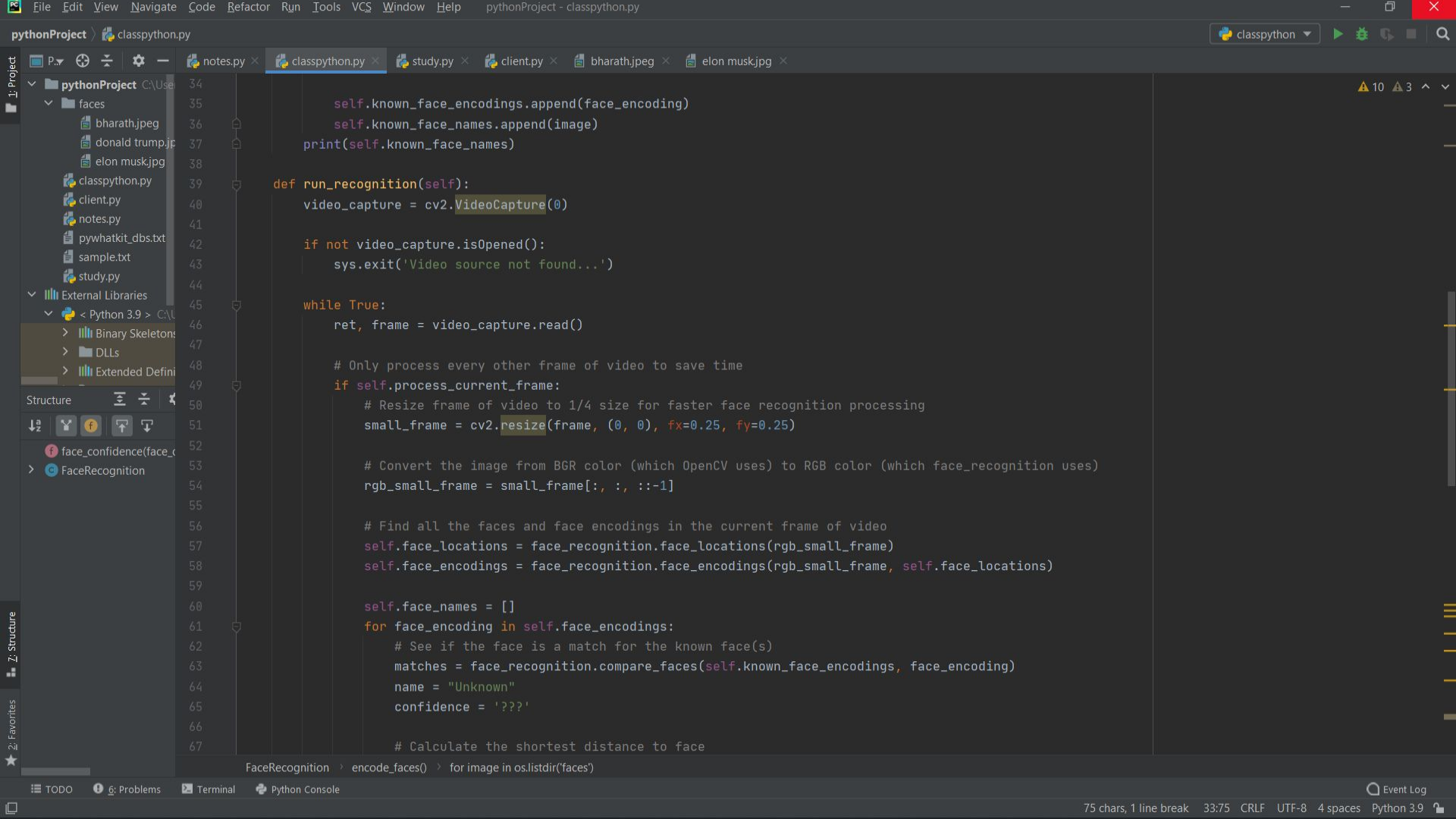
# Face Recognition :Code

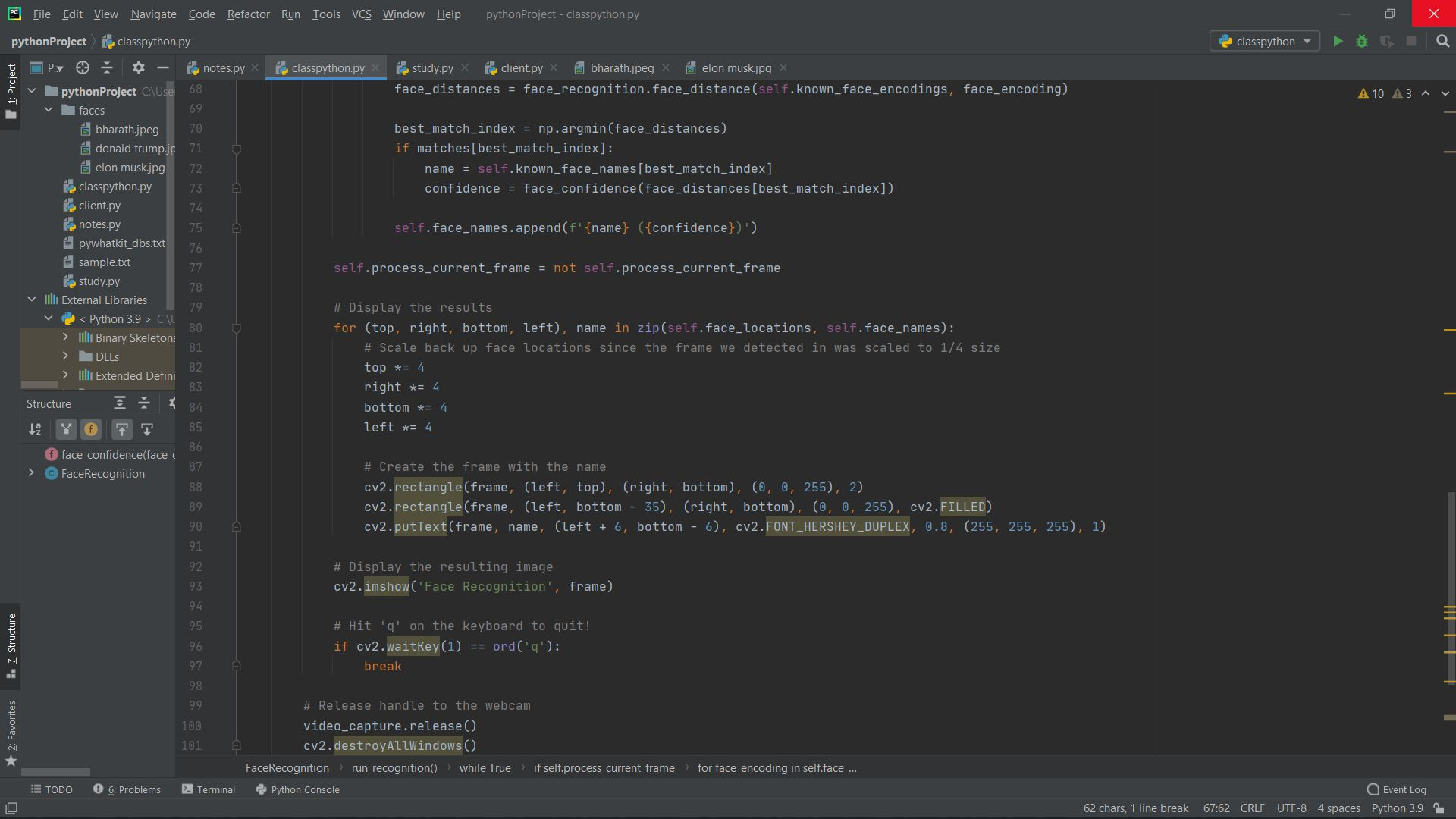


The screenshot shows an IDE window titled "pythonProject - classpython.py". The interface includes a menu bar (File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help), a toolbar, and a status bar at the bottom. The left sidebar contains a "Project" view showing the file structure of "pythonProject" and "External Libraries", and a "Structure" view showing the current file's structure. The main editor displays the code for "classpython.py".

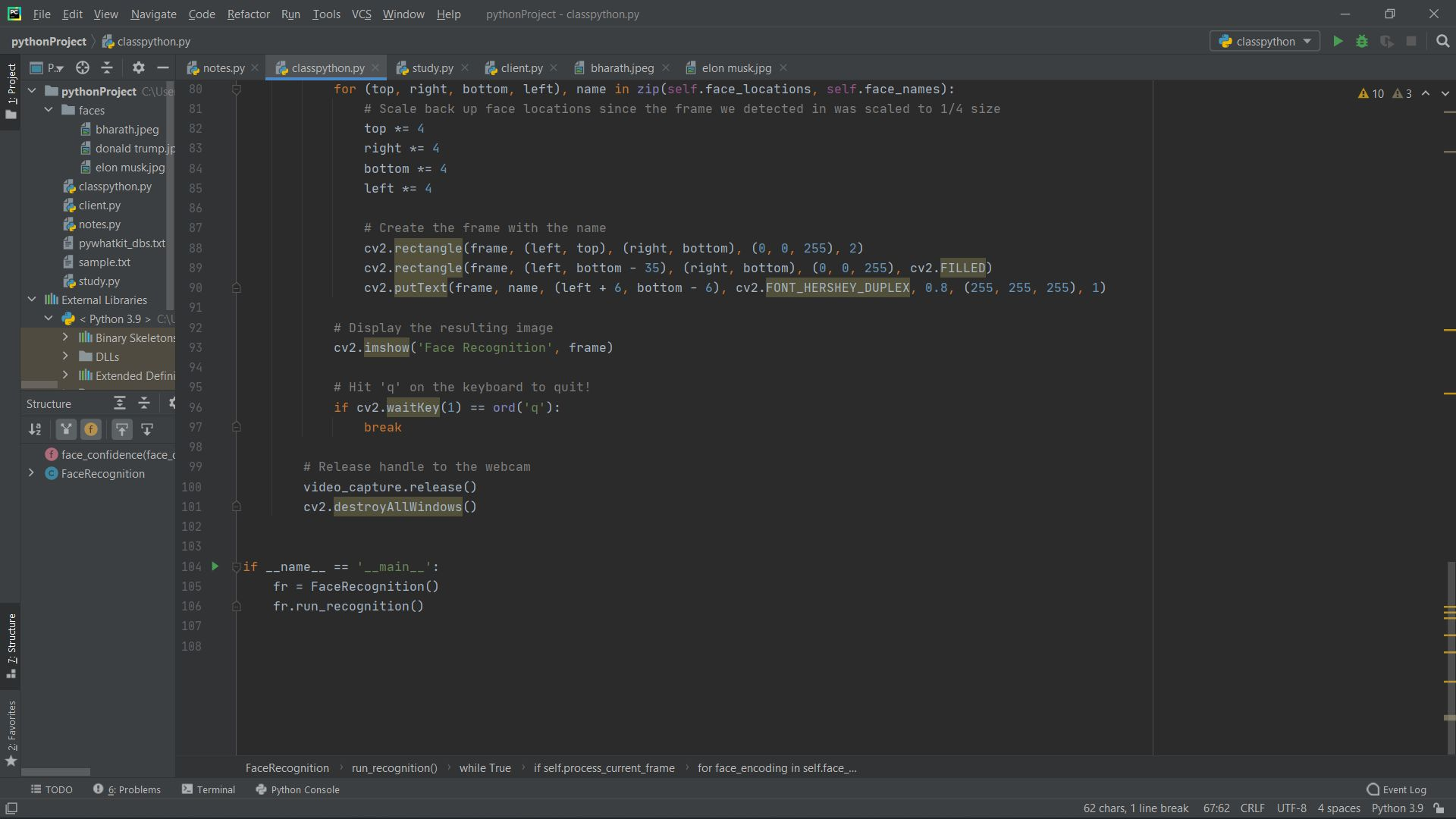
```
1 import face_recognition
2 import os, sys
3 import cv2
4 import numpy as np
5 import math
6
7
8 def face_confidence(face_distance, face_match_threshold=0.6):
9     range = (1.0 - face_match_threshold)
10    linear_val = (1.0 - face_distance) / (range * 2.0)
11
12    if face_distance > face_match_threshold:
13        return str(round(linear_val * 100, 2)) + '%'
14    else:
15        value = (linear_val + ((1.0 - linear_val) * math.pow((linear_val - 0.5) * 2, 0.2))) * 100
16        return str(round(value, 2)) + '%'
17
18
19 class FaceRecognition:
20     face_locations = []
21     face_encodings = []
22     face_names = []
23     known_face_encodings = []
24     known_face_names = []
25     process_current_frame = True
26
27     def __init__(self):
28         self.encode_faces()
29
30     def encode_faces(self):
31         for image in os.listdir('faces'):
32             face_image = face_recognition.load_image_file(f"faces/{image}")
33             face_encoding = face_recognition.face_encodings(face_image)[0]
34
35         face_confidence()
```

The status bar at the bottom shows "TODO", "6 Problems", "Terminal", "Python Console", and "Event Log". The bottom right corner indicates the current time is 9:41, the file encoding is UTF-8, and the Python version is 3.9.









# OUTPUT



```
21 face_encodings = []
22 face_names = []
23 known_face_encodings = []
24 known_face_names = []
25 process_current_frame = True
26
27 def __init__(self):
28     self.encode_faces()
29
30 def encode_faces(self):
31     for image in os.listdir('faces'):
32         face_image = face_recognition.load_image_file(f"faces/{image}")
33         face_encoding = face_recognition.face_encodings(face_image)[0]
```

# HTML and CSS :Code (Registration Phase)

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>register form</title>
8
9     <!-- custom css file link -->
10    <link rel="stylesheet" href="aa.css">
11
12 </head>
13 <body>
14
15 <div class="form-container">
16
17     <form action="" method="post">
18         <h3>register now</h3>
19
20         <input type="text" name="name" required placeholder="enter your name">
21         <input type="email" name="email" required placeholder="enter your email">
22         <input type="password" name="password" required placeholder="enter your password">
23         <input type="password" name="cpassword" required placeholder="confirm your password">
24         <input type="submit" name="submit" value="register now" class="form-btn">
25         <p>already have an account? <a href="aa1.html">login now</a></p>
26     </form>
27
28 </div>
29
30 </body>
31 </html>
```



```

93 </style>
94 </body>
95 <div class="form-container">
96
97     <form action="" method="post" enctype="multipart/form-data">
98         <h3>register now</h3>
99         <?php
100             if(isset($error)){
101                 foreach($error as $error){
102                     echo '<span class="error-msg">' . $error . '</span>';
103                 }
104             };
105         ?>
106         <input type="text" name="name" required placeholder="enter your name">
107         <input type="email" name="email" required placeholder="enter your email">
108         <input type="password" name="password" id="password" required placeholder="enter your password" onInput="check()" />
109     </div>
110
111     <div id="set" >
112         <i id="see" onclick="see()" class="far fa-eye"></i>
113     </div>
114
115     <div id="count">Length : 0</div>
116     <div id="check0">
117         <i class="far fa-check-circle"></i> <span> Length more than 0.</span>
118     </div>
119     <div id="check2">
120         <i class="far fa-check-circle"></i> <span> Contains numerical character.</span>
121     </div>
122     <div id="check3">
123         <i class="far fa-check-circle"></i> <span>Contains special character.</span>
124     </div>
125     <div id="check4">
126         <i class="far fa-check-circle"></i> <span>Shouldn't contain spaces.</span>
127     </div>
128     <input type="password" name="cpassword" required placeholder="confirm your password">
129 </div>
130 <h4>Security Question</h4>
131 <select name="security_question">
132     <option value="ques1">Name of your favorite city? </option>
133     <option value="ques2">Name of your pet?</option>
134 </select>
135 <input type="text" name="secans" required placeholder="enter your answer">
136 <label for="file">Choose file to upload</label>
137 <input
138     type="file"
139     id="profilepic"
140     name="profilepic">

```

```

register_form.php x
105     });
106     };
107     ?>
108     <input type="text" name="name" required placeholder="enter your name">
109     <input type="email" name="email" required placeholder="enter your email">
110     <input type="password" name="password" id="password" required placeholder="enter your password" onInput="check()" />
111 <br>
112     <div id="set" >
113     <i id="see" onclick="see()" class="far fa-eye"></i>
114     </div>
115     <div id="count">Length : 0</div>
116     <div id="check0">
117         <i class="far fa-check-circle"></i> <span> Length more than 8.</span>
118     </div>
119     <div id="check2">
120         <i class="far fa-check-circle"></i> <span> Contains numerical character.</span>
121     </div>
122     <div id="check3">
123         <i class="far fa-check-circle"></i> <span>Contains special character.</span>
124     </div>
125     <div id="check4">
126         <i class="far fa-check-circle"></i> <span>Shouldn't contain spaces.</span>
127     </div>
128     <input type="password" name="cpassword" required placeholder="confirm your password">
129 <h4>Security Question</h4>
130 <select name="security_question">
131     <option value="ques1">Name of your favorite city? </option>
132     <option value="ques2">Name of your pet?</option>
133 </select>
134 <input type="text" name="secans" required placeholder="enter your answer">
135 <label for="file">Choose file to upload</label>
136 <input
137     type="file"
138     id="profilepic"
139     name="profilepic"
140     accept=".jpg, .jpeg, .png" />
141 <input type="submit" name="submit" value="register now" class="form-btn">
142 <p>already have an account? <a href="login_form.php">login now</a></p>
143 </form>
144
145 </div>
146
147 </body>
148 </html>

```

## REGISTER NOW



Length : 0

- ✔ Length more than 8.
- ✔ Contains numerical character.
- ✔ Contains special character.
- ✔ Shouldn't contain spaces.

### Security Question



Choose file to upload

No file selected.

Register Now

already have an account? [login now](#)

# Output:HTML(Registration Phase)

**REGISTER NOW**

Register Now

already have an account? [login now](#)

# HTML CODE:Login Phase

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>login form</title>
8
9      |
10     <link rel="stylesheet" href="aa.css">
11
12 </head>
13 <body>
14
15 <div class="form-container">
16
17     <form action="" method="post">
18         <h3>login now</h3>
19
20         <input type="email" name="email" required placeholder="enter your email">
21         <input type="password" name="password" required placeholder="enter your password">
22         <input type="submit" name="submit" value="login now" class="form-btn">
23         <p>don't have an account? <a href="aa.html">register now</a></p>
24     </form>
25
26 </div>
27
28 </body>
29 </html>
```

# OUTPUT: HTML(Login Phase)

**LOGIN NOW**

Login Now

don't have an account? [register now](#)

# CSS CODES

```
1  @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600&display=swap');
2
3  *{
4      font-family: 'Poppins', sans-serif;
5      margin:0; padding:0;
6      box-sizing: border-box;
7      outline: none; border:none;
8      text-decoration: none;
9  }
10
11  .container{
12      min-height: 100vh;
13      display: flex;
14      align-items: center;
15      justify-content: center;
16      padding:20px;
17      padding-bottom: 60px;
18  }
19
20  .container .content{
21      text-align: center;
22  }
23
24  .container .content h3{
25      font-size: 30px;
26      color:#333;
27  }
28
29  .container .content h3 span{
30      background: crimson;
31      color:#fff;
32      border-radius: 5px;
33      padding:0 15px;
34  }
35
36  .container .content h1{
37      font-size: 50px;
38      color:#333;
39  }
40
```

# CSS CODES

```
40
41 .container .content h1 span{
42   color:crimson;
43 }
44
45 .container .content p{
46   font-size: 25px;
47   margin-bottom: 20px;
48 }
49
50 .container .content .btn{
51   display: inline-block;
52   padding:10px 30px;
53   font-size: 20px;
54   background: #333;
55   color:#fff;
56   margin:0 5px;
57   text-transform: capitalize;
58 }
59
60 .container .content .btn:hover{
61   background: crimson;
62 }
63
64 .form-container{
65   min-height: 100vh;
66   display: flex;
67   align-items: center;
68   justify-content: center;
69   padding:20px;
70   padding-bottom: 60px;
71   background: #eee;
72 }
73
74 .form-container form{
75   padding:20px;
76   border-radius: 5px;
77   box-shadow: 0 5px 10px rgba(0,0,0,.1);
78   background: #fff;
79   text-align: center;
```



# CSS CODES

```
79     text-align: center;
80     width: 500px;
81 }
82
83 .form-container form h3{
84     font-size: 30px;
85     text-transform: uppercase;
86     margin-bottom: 10px;
87     color: #333;
88 }
89
90 .form-container form input,
91 .form-container form select{
92     width: 100%;
93     padding: 10px 15px;
94     font-size: 17px;
95     margin: 8px 0;
96     background: #eee;
97     border-radius: 5px;
98 }
99
100 .form-container form select option{
101     background: #fff;
102 }
103
104 .form-container form .form-btn{
105     background: #fbd0d9;
106     color: crimson;
107     text-transform: capitalize;
108     font-size: 20px;
109     cursor: pointer;
110 }
111
112 .form-container form .form-btn:hover{
113     background: crimson;
114     color: #fff;
115 }
116
117 .form-container form p{
118     margin-top: 10px;
```

# CSS CODES

```
117 .form-container form p{
118     margin-top: 10px;
119     font-size: 20px;
120     color:#333;
121 }
122
123 .form-container form p a{
124     color:crimson;
125 }
126
127 .form-container form .error-msg{
128     margin:10px 0;
129     display: block;
130     background: crimson;
131     color:#fff;
132     border-radius: 5px;
133     font-size: 20px;
134     padding:10px;
135 }
```

# PHP and JS : PHP Code (Configuration Phase)

---

```
1  <?php
2
3  $conn = mysqli_connect('localhost','agentbp','password','test_db');
4
5  ?>
```

# PHP Code (Registration Phase)

```
<?php

@include 'config.php';

if(isset($_POST['submit'])){

    $name = mysqli_real_escape_string($conn, $_POST['name']);
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);
    $cpass = md5($_POST['cpassword']);

    $select = " SELECT * FROM usertable WHERE email = '$email' ";

    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0){

        $error[] = 'user already exist!';

    }else{

        if($pass != $cpass){
            $error[] = 'password not matched!';
        }else{
            $insert = "INSERT INTO usertable(name, email, password) VALUES('$name','$email','$pass')";
            mysqli_query($conn, $insert);
            header('location:login_form.php');
        }
    }

};
```

# PHP (Registration Phase)

## REGISTER NOW

[Register Now](#)

already have an account? [login now](#)

# PHP Code (Login Phase)

```
<?php

@include 'config.php';

session_start();

if(isset($_POST['submit'])){

    $name = mysqli_real_escape_string($conn, $_POST['name']);
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $pass = md5($_POST['password']);
    $cpass = md5($_POST['cpassword']);

    $select = " SELECT * FROM usertable WHERE email = '$email' && password = '$pass' ";

    $result = mysqli_query($conn, $select);

    if(mysqli_num_rows($result) > 0){

        header('location:user_page.php');

    }else{
        $error[] = 'incorrect email or password!';
    }

};
?>
```

# PHP (Login Phase)

---

## LOGIN NOW

Login Now

don't have an account? [register now](#)

# PHP Table Format

phpMyAdmin

Server: localhost:3306 » Database: test\_db » Table: usertable

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Recent Favorites

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(255)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	2 name	varchar(255)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	3 email	varchar(255)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	4 password	varchar(255)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#) [Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after password [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	5	A	No	

Create an index on 1 columns [Go](#)

Partitions

No partitioning defined!

Partition table

Information

Console





# PHP Code (User Page)

```
<?php
@include 'config.php';
session_start();

if(isset($_SESSION['user_name'])){
    header('location:login_form.php');
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>user page</title>

    <!-- custom css file link -->
    <link rel="stylesheet" href="css/style.css">
</head>
<body>

<div class="container">

    <div class="content">
        <h3>hi, <span>user</span></h3>
        <h1>welcome <span><?php echo $_SESSION['user_name'] ?></span></h1>
        <p>this is an user page</p>
        <a href="login_form.php" class="btn">login</a>
        <a href="register_form.php" class="btn">register</a>
        <a href="logout.php" class="btn">logout</a>
    </div>

</div>

</body>
</html>
```

# PHP (User Phase)

---

hi, **user**

**welcome**

this is an user page

Login

Register

Logout

# PHP Code (Logout Phase)

---

```
<?php

@include 'config.php';

session_start();
session_unset();
session_destroy();

header('location:login_form.php');

?>
```

# JS Code

```
var is_visible = false;

function see()
{
    var input = document.getElementById("password");
    var see = document.getElementById("see");

    if(is_visible)
    {
        input.type = 'password';
        is_visible = false;
        see.style.color='gray';
    }
    else
    {
        input.type = 'text';
        is_visible = true;
        see.style.color='#262626';
    }
}

function check()
{
    var input = document.getElementById("password").value;

    input=input.trim();
    document.getElementById("password").value=input;
    document.getElementById("count").innerText="Length : " + input.length;
    if(input.length>=5)
    {
        document.getElementById("check0").style.color="green";
    }
    else
    {
        document.getElementById("check0").style.color="red";
    }

    if(input.length<=10)
    {
        document.getElementById("check1").style.color="green";
    }
    else
    {
        document.getElementById("check1").style.color="red";
    }
}
```

# JS Code

```
47
48     if(input.match(/[0-9]/i))
49     {
50         document.getElementById("check2").style.color="green";
51     }
52     else
53     {
54         document.getElementById("check2").style.color="red";
55     }
56
57     if(input.match(/^[A-Za-z0-9-' ']/i))
58     {
59         document.getElementById("check3").style.color="green";
60     }
61     else
62     {
63         document.getElementById("check3").style.color="red";
64     }
65
66     if(input.match(' '))
67     {
68         document.getElementById("check4").style.color="red";
69     }
70     else
71     {
72         document.getElementById("check4").style.color="green";
73     }
74
75 }
```

# Security Question (Code)

/var/www/html/logintry/security.php - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

security.php x

```
1 <?php
2
3 @include 'config.php';
4
5 session_start();
6
7 if(isset($_POST['submit'])){
8
9     $email = mysqli_real_escape_string($conn, $_POST['email']);
10    $question = $_POST['security question'];
11    $qanswer = mysqli_real_escape_string($conn, $_POST['secans']);
12    $selectone = " SELECT * FROM user_form WHERE email = '$email' ";
13    $resultone = mysqli_query($conn, $selectone);
14    $selecttwo = " SELECT * FROM user_form WHERE email = '$email' && securityques = '$question' && securityans = '$qanswer' ";
15    $resulttwo = mysqli_query($conn, $selecttwo);
16    if(mysqli_num_rows($resultone) == 0){
17
18        $error[] = 'User not found!';
19
20    }else{
21        if(mysqli_num_rows($resulttwo) > 0){
22            header('location:user_page.php');
23        }else{
24            header('location:face.php');
25        }
26    }
27 }
28 >
29
30
31 <!DOCTYPE html>
32 <html lang="en">
33 <head>
34     <meta charset="UTF-8">
35     <meta http-equiv="X-UA-Compatible" content="IE=edge">
36     <meta name="viewport" content="width=device-width, initial-scale=1.0">
37     <title>Security Question</title>
38
39     <!-- custom css file link -->
40     <link rel="stylesheet" href="css/style.css">
41
42 </head>
43 <body>
44
45 <div class="form-container">
```

Spaces: 3

PHP

```

security.php x
22     header('location:user_page.php');
23 }else{
24     header('location:face.php');
25 }
26 }
27 }
28 ?>
29
30
31 <!DOCTYPE html>
32 <html lang="en">
33 <head>
34     <meta charset="UTF-8">
35     <meta http-equiv="X-UA-Compatible" content="IE=edge">
36     <meta name="viewport" content="width=device-width, initial-scale=1.0">
37     <title>Security Question</title>
38
39     <!-- custom css file link -->
40     <link rel="stylesheet" href="css/style.css">
41
42 </head>
43 <body>
44
45 <div class="form-container">
46
47     <form action="" method="post">
48         <h3>Security Question</h3>
49         <?php
50             if(isset($error)){
51                 foreach($error as $error){
52                     echo '<span class="error-msg">'. $error.'</span>';
53                 };
54             };
55             ?>
56             <input type="email" name="email" required placeholder="Enter your email">
57         <select name="security question">
58             <option value="ques1">Name of your favorite city? </option>
59             <option value="ques2">Name of your pet?</option>
60         </select>
61         <input type="text" name="secans" required placeholder="enter your answer">
62         <input type="submit" name="submit" value="Login Now" class="form-btn">
63         <p>Don't have an account? <a href="register_form.php">Register now</a></p>
64     </form>
65 </div>
66 </body>
67 </html>

```





## SECURITY QUESTION

abc@gmail.com

Name of your favorite city? v

Paris

Login Now

Don't have an account? [Register now](#)

# Face Recognition Page

**WRONG SECURITY QUESTION**

**FACE RECOGNITON START**

# References

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