

main.py — Authentication

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1 import bcrypt

2 import random

3

4 # Simple in-memory storage (list of dictionaries)

5 user_db = []

6

7 def register():

8 print("\n--- Register ---")

9 username = input("Username: ")

10 password = input("Password: ")

11

12 # Generate a salt and hash the password

13 # Note: bcrypt requires bytes, so we encode the string

14 password_bytes = password.encode('utf-8')

15 hashed_password = bcrypt.hashpw(password_bytes, bcrypt.gensalt())

16

17 user_db.append({

18 "username": username,

19 "hashed_password": hashed_password

20 })

21 print("User registered successfully!")

22

23 def login():

24 print("\n--- Login ---")

25 username = input("Username: ")

26 password = input("Password: ")

27

Problems Output Debug Console Terminal Ports

(venv) vishesh@Visheshs-MacBook-Air Authentication % python3 main.py

--- Register ---

Username: visheshchandok

Password: Vishesh@755

User registered successfully!

--- Login ---

Username: visheshchandok

Password: Vishesh@755

[System] Password verified.

*** SMS SENT: Your 6-digit code is: 505583 ***

Enter MFA OTP: 505583

OUTLINE

TIMELINE

main*+ vishesh 0 0 0 Connect

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