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all.html image on test.html form.html phase4.py phase5.py x sm.py ...
phase5.py > health_diagnostic_demo
1 import time
2 import base64
3 import random
4 import os
5
6 # Function to simulate black screen terminal style output
7 def print_black_screen(text, delay=0.02):
8     for char in text:
9         print(char, end='', flush=True)
10        time.sleep(delay)
11    print()
12
13 # Simulated healthcare diagnostic system
14 def health_diagnostic_demo():
15     os.system('cls' if os.name == 'nt' else 'clear')
16     print("\033[1;32m") # Green color for welcome
17     print_black_screen("\033[1;32m")
18     print("\033[0;37m") # White color for inputs
19     symptom = input("Type your main symptom (e.g., fever, cough, headache):\n")
20
21     print("\033[1;36m") # Cyan for results
22     print_black_screen(f"\n\ Closest match found: {symptom.lower()}")
23     diagnosis = "Upper Respiratory Infection"
24     treatment = "Cough suppressants, warm fluids, and humidified air."
25     print_black_screen(f"\033[1;36m\ Diagnosis: {diagnosis}")
26     print_black_screen(f"\033[1;36m\ Recommended Treatment: {treatment}")
27
28     # Simulate encryption & decryption
29     encrypted = base64.b64encode(diagnosis.encode()).decode()
30     decrypted = base64.b64decode(encrypted).decode()
31     print("\033[1;33m") # Yellow for encryption
32     print_black_screen(f"\n\ Encrypted for storage: {encrypted}")
33     print_black_screen(f"\n\ Decrypted for verification: {decrypted}")
34
35     # Feedback
36     print("\033[1;35m") # Magenta for feedback
37     print_black_screen("\n\ Please rate your experience (1-5):")
38     rating = 5
39     print_black_screen(f"Rating: {rating}")
40     print_black_screen("\033[1;35m\ Any comments? Excellent diagnosis accuracy.")
41     print_black_screen("\033[1;35m\ Thank you for your feedback!")
42
43     # Performance Metrics

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phase5.py > ...
14 def health_diagnostic_demo():
15
16     print("\033[1;34m") # Blue for performance metrics
17     print_black_screen("\n\ Performance Metrics")
18     accuracy = round(random.uniform(85.0, 90.0), 2)
19     latency = round(random.uniform(6.0, 7.0), 2)
20     total_time = round(latency + random.uniform(6.0, 8.0), 2)
21     print_black_screen(f"\033[1;34m\ Accuracy of Diagnosis: {accuracy}%")
22     print_black_screen(f"\033[1;34m\ Average Response Latency: {latency} seconds")
23     print_black_screen(f"\033[1;34m\ Real-time IoT Data Collection: Successful")
24     print_black_screen(f"\033[1;34m\ Total Response Time: {total_time} seconds")
25
26     print("\033[0m") # Reset color
27
28     # Run the system
29     health_diagnostic_demo()

```

👋 Welcome to the Health Care Diagnostic and Treatment System

Type your main symptom (e.g., fever, cough, headache):

➡ You: cough

✓ Closest match found: cough

📄 Diagnosis: Upper Respiratory Infection

💊 Recommended Treatment: Cough suppressants, warm fluids, and humidified air.

🔒 Encrypted for storage: QXBwZXIgaUmVzcGlyYXRvcnkgSW5mZWNOaW9u

🔓 Decrypted for verification: Upper Respiratory Infection

📝 Please rate your experience (1-5):

Rating: 5

💬 Any comments? Excellent diagnosis accuracy.

✓ Thank you for your feedback!

📊 Performance Metrics

✓ Accuracy of Diagnosis: 86.69%

🕒 Average Response Latency: 6.53 seconds

📶 Real-time IoT Data Collection: Successful

🕒 Total Response Time: 14.68 seconds