password_checker.py

```python
import re

def check_password_strength(password):
    length_error = len(password) < 8
    uppercase_error = not re.search(r"[A-Z]", password)
    lowercase_error = not re.search(r"[a-z]", password)
    digit_error = not re.search(r"\d", password)
    special_char_error = not re.search(r"[!@#$%^&*(),.?\":{}|<>]", password)

    # Calculate strength level
    errors = [length_error, uppercase_error, lowercase_error, digit_error, special_char_error]
    score = 5 - sum(errors)

    if score == 5:
        strength = "Strong"
    elif 3 <= score < 5:
        strength = "Moderate"
    else:
        strength = "Weak"

    return {
        "strength": strength,
        "errors": {
            "Length >= 8": not length_error,
            "Uppercase letter": not uppercase_error,
            "Lowercase letter": not lowercase_error,
            "Number": not digit_error,
            "Special character": not special_char_error,
        }
    }

def main():
    print("=== Password Complexity Checker ===")
    password = input("Enter your password to check: ")

    result = check_password_strength(password)
    print("\n🔍 Password Strength:", result["strength"])
    print("🔧 Detailed Check:")
    for rule, passed in result["errors"].items():
        status = "✅ Passed" if passed else "❌ Missing"
        print(f" - {rule}: {status}")

if __name__ == "__main__":
    main()
```