#develop a password manager with strong encryption

```
import random
import string
import hashlib
class PasswordManager:
  def _init_(self):
    self.password_table = {}
  def generate_password(self, length=12):
    characters = string.ascii_letters + string.digits + string.punctuation
    password = ".join(random.choice(characters) for _ in range(length))
    return password
  def generate_strength(self, password):
    # This is a basic strength measure, you may want to implement a more sophisticated approach
    if len(password) >= 12:
      return "Strong"
    elif len(password) >= 8:
      return "Moderate"
    else:
      return "Weak"
  def create_password_table(self, website, username, password):
    if website not in self.password_table:
      self.password_table[website] = {}
    self.password_table[website][username] = password
  def hash_password(self, password):
    # Use a strong hashing algorithm, like SHA-256, in a real-world scenario
    hashed_password = hashlib.sha256(password.encode()).hexdigest()
```

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return hashed_password
  def store_password(self, website, username, password):
    hashed_password = self.hash_password(password)
    self.create_password_table(website, username, hashed_password)
  def verify_password(self, website, username, password):
    if website in self.password_table and username in self.password_table[website]:
      stored_password = self.password_table[website][username]
      hashed_input_password = self.hash_password(password)
      return hashed_input_password == stored_password
    return False
# Example usage:
password_manager = PasswordManager()
# Generate a password
generated_password = password_manager.generate_password()
print(f"Generated Password: {generated_password}")
# Determine password strength
password_strength = password_manager.generate_strength(generated_password)
print(f"Password Strength: {password_strength}")
# Store a password
website = "example.com"
username = "your_username"
password_manager.store_password(website, username, generated_password)
# Verify a password
input_password = "your_input_password"
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is_verified = password_manager.verify_password(website, username, input_password)
print(f"Password Verification: {is_verified}")

output:

= RESTART: C:\Users\G.saikalyan\cybersecurity.py
Generated Password: E>iN}9\U@yJ7
Password Strength: Strong