



Password Manager: Safeguard Your Digital Life

Welcome to our presentation on Password Manager, a powerful tool designed to secure your online presence and protect your valuable data. We'll explore its key features, benefits, and how it safeguards your digital life.

Problem Statement

In today's digital landscape, data breaches are becoming increasingly common. This presents a significant risk for individuals who reuse the same passwords across multiple accounts. Password managers are essential to protect against these threats and simplify credential management.



Solution: Securely Manage Your Credentials

Password Manager offers a comprehensive solution to protect your online accounts and simplify your digital life. It securely stores, manages, and protects your credentials, giving you peace of mind in the digital world.

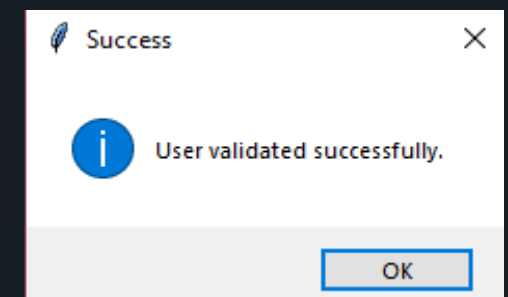
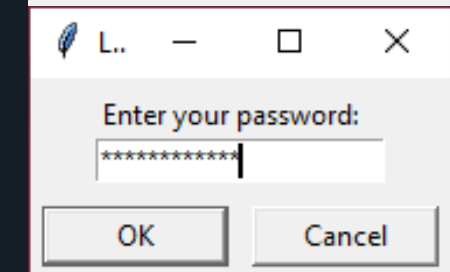
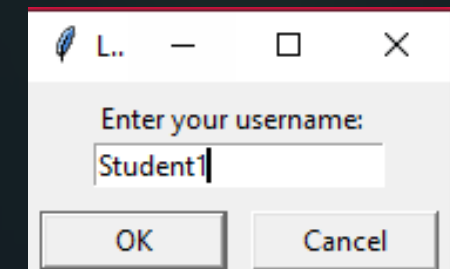
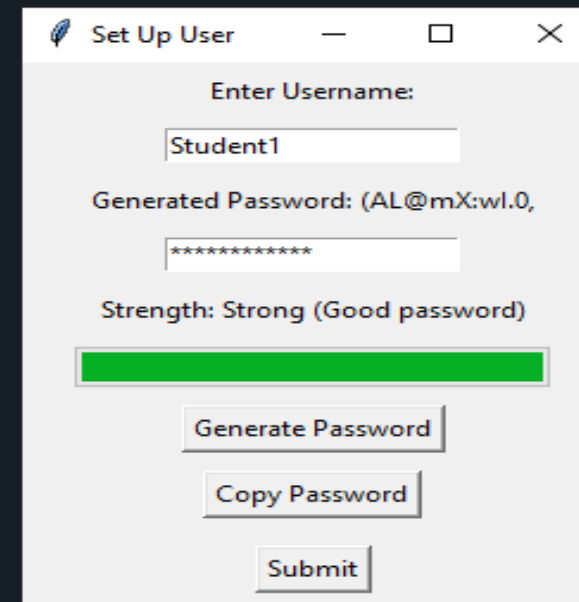
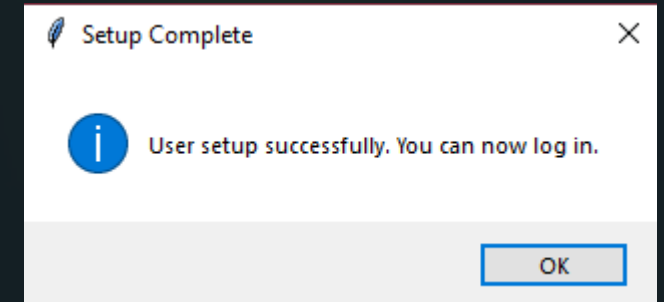
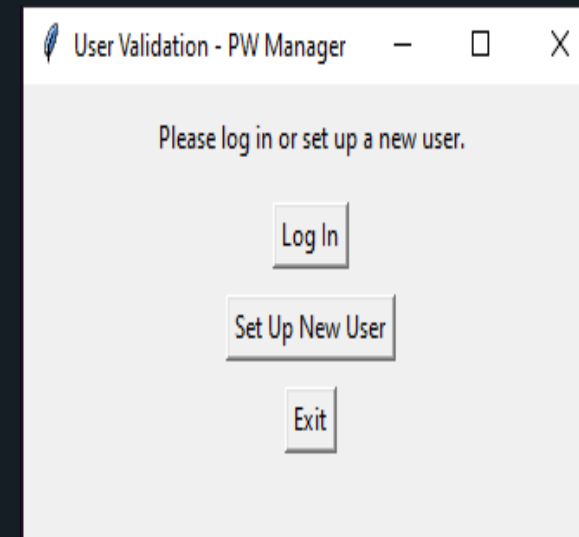
Secure Logins with MD5 Hashing

Enhanced Security

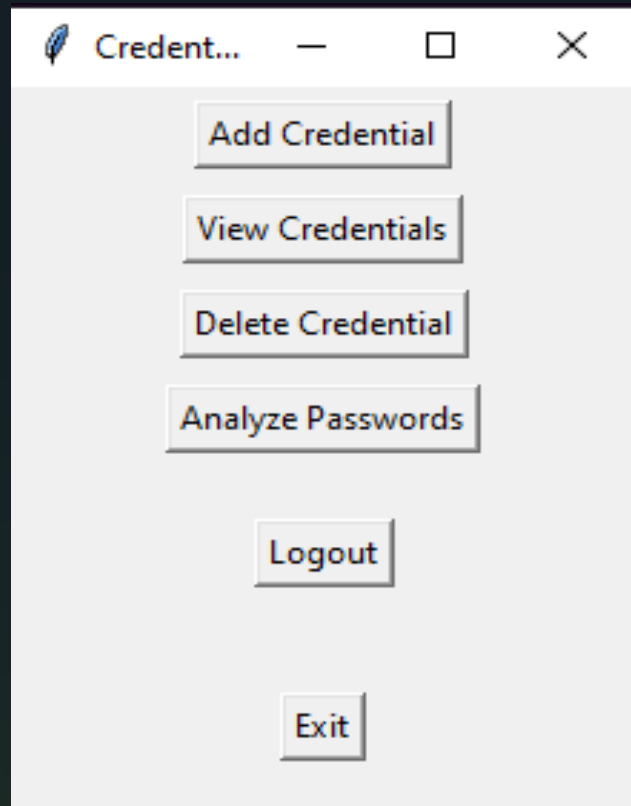
MD5 hashing transforms your password into a unique code, preventing unauthorized access to your credentials.

Unbreakable Encryption

This irreversible process ensures that your password cannot be retrieved, even if the database is compromised.



Store, View, and Manage Your Credentials



Centralized Storage

Password Manager provides a secure vault to store all your logins, usernames, and other sensitive information.

Easy Access

View, edit, and manage your credentials effortlessly with a user-friendly interface.

Organized Management

Categorize and search for specific credentials efficiently, making it easy to find what you need.

Add Credentials

Credent... — □ ×

Add Credential

View Credentials

Delete Credential

Analyze Passwords

Logout

Exit

Add... — □ ×

Enter Website:

Flex

Enter Username:

K232005

Enter Password:

Strength: Weak (Password too short)

Add Credential

Password Analysis — □ ×

Weak Password! Password too short

OK

Success — □ ×

Credential added successfully!

OK



Filter Saved Credentials



Search by Website

Quickly find your credentials by searching for the website name.



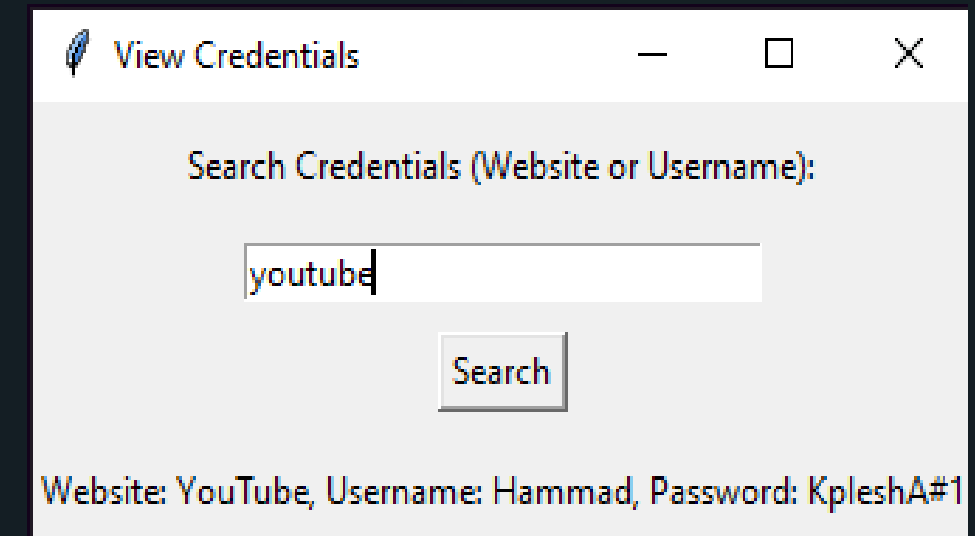
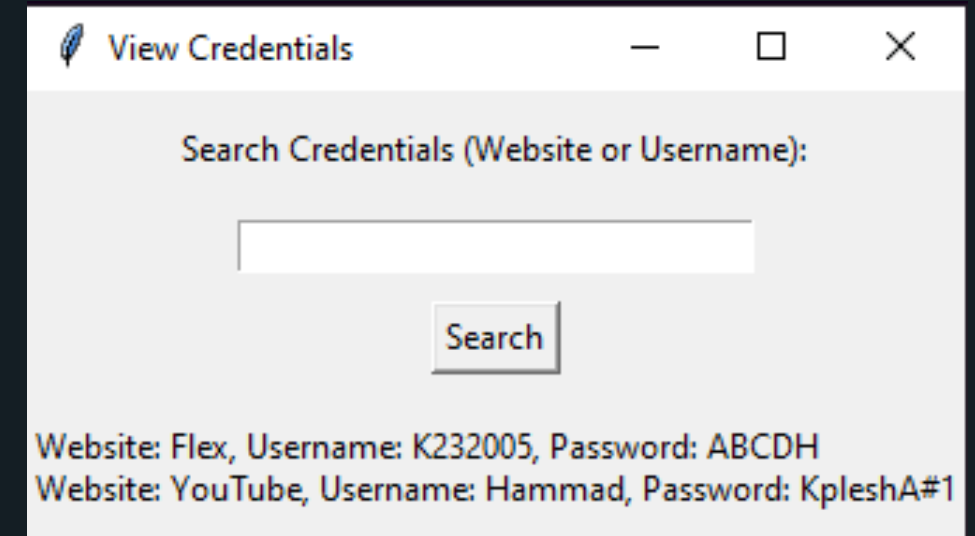
Search by Username

Locate the desired credentials using the associated username.

View Credentials & Filter out by input

Simply, click on “View Credentials” It will list out all the credentials saved in your account.

To filter out the credentials, write the website name or username in the search bar.

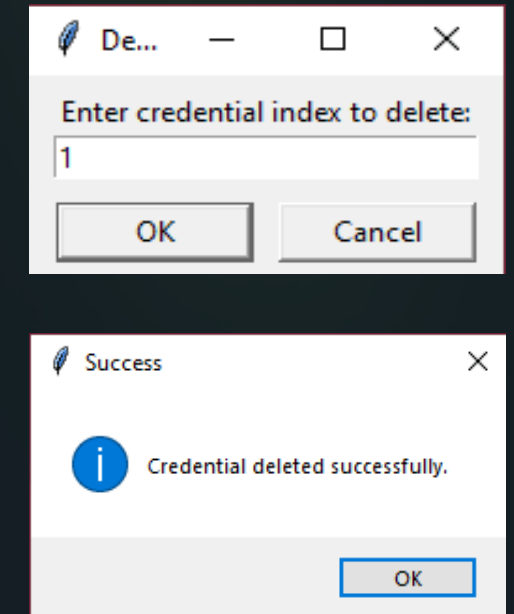
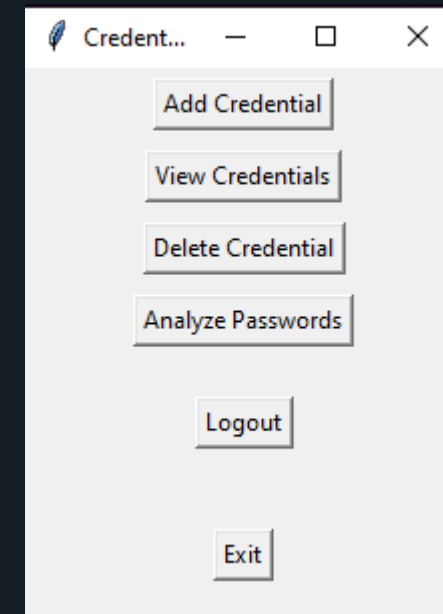


Delete Credentials

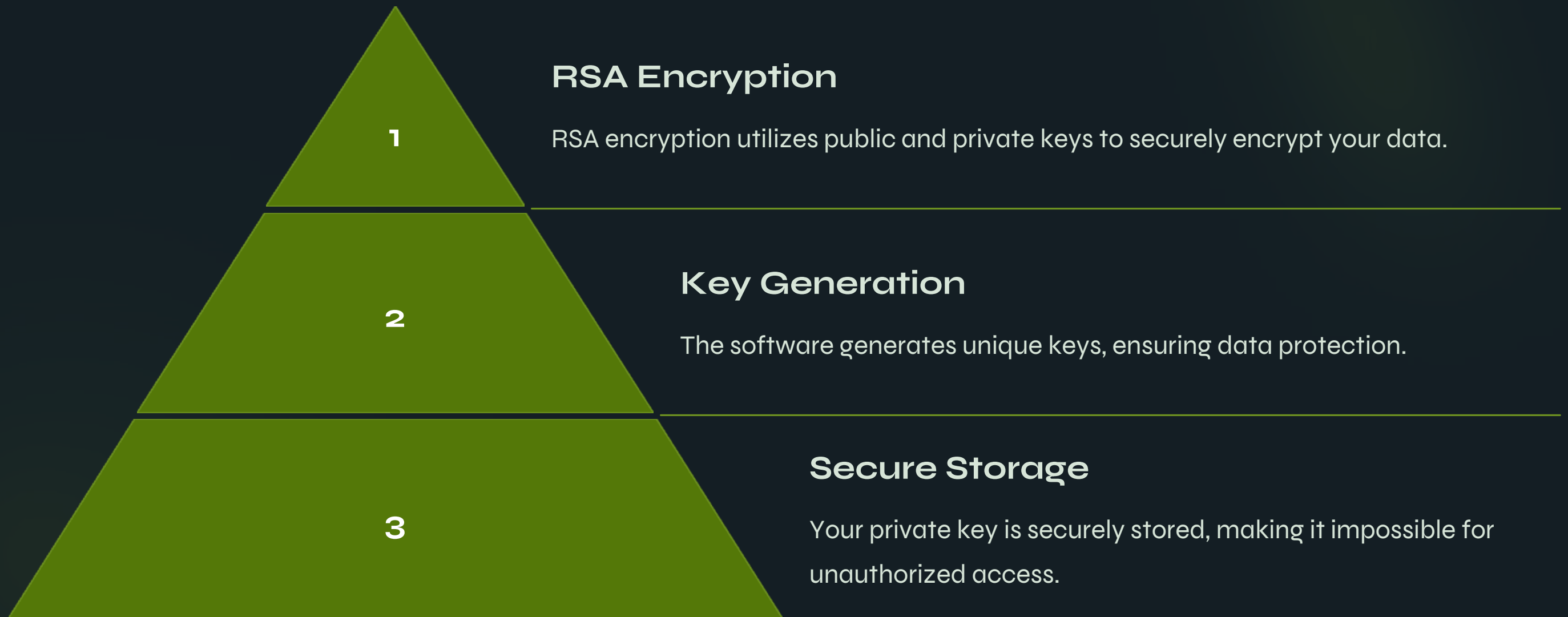
Similar, you can easily delete your credentials.

Simply, click on the “Delete Credentials” button and type in the index of the credentials that you want to delete.

Once you do that, the credential will be deleted from the database and the UI.



Secure Password Storage with RSA Encryption



Credentials Database

The credentials data is stored in credentials.json

The password is encrypted using RSA algorithm and securely stored in the database.

```
198 "Student1": [  
199   {  
200     "website": "YouTube",  
201     "username": "Hammad",  
202     "password": "597,612,745,1313,1230,2170,2790,921,2906",  
203     "publickey": 17,  
204     "privatekey": 2753,  
205     "modulus": 3233  
206   }  
207 ]  
208 }
```

Password Strength Analysis

1

Strength Meter

Our tool analyzes your passwords and provides a strength rating based on complexity and length.

2

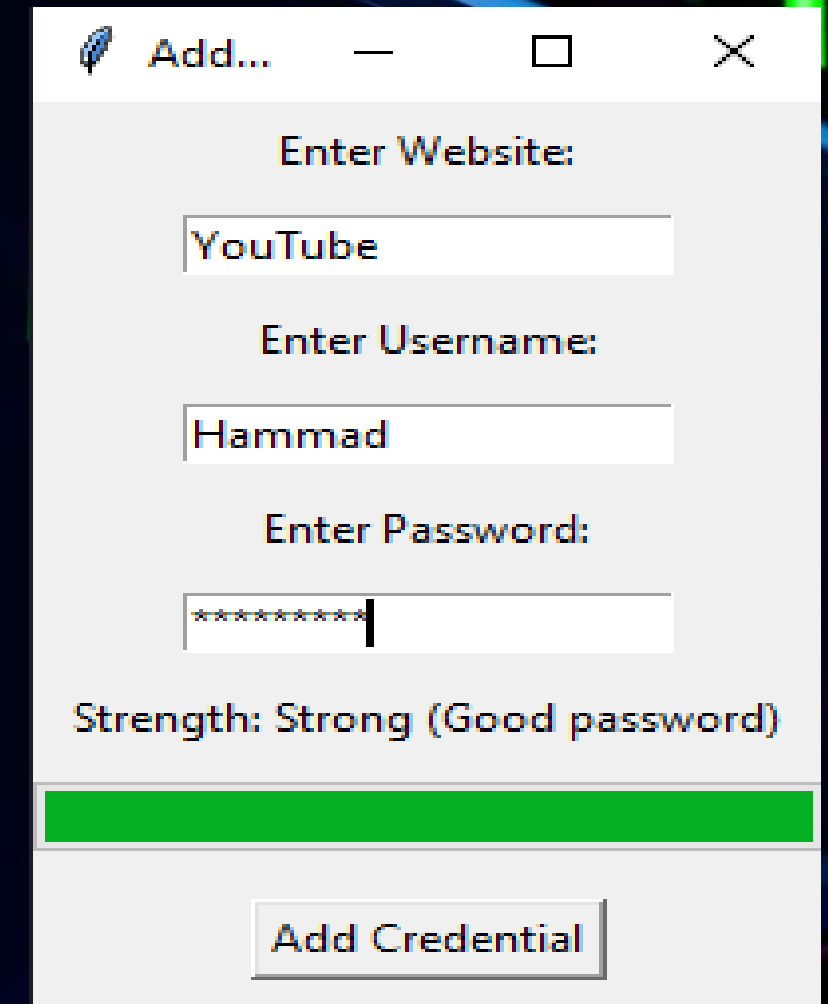
Security Recommendations

Get suggestions for strengthening weak passwords, ensuring optimal security.

3

Password Audit

Perform regular audits to identify and rectify any vulnerabilities in your password choices.

A screenshot of a web application window titled "Add..." with standard window controls. The interface is light gray and contains three input fields: "Enter Website:" with "YouTube" entered, "Enter Username:" with "Hammad" entered, and "Enter Password:" with "*****" entered. Below the password field, the text "Strength: Strong (Good password)" is displayed. At the bottom of the form is a green progress bar and a button labeled "Add Credential".

Add...

Enter Website:

YouTube

Enter Username:

Hammad

Enter Password:

Strength: Strong (Good password)

Add Credential

Thank you!