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# Python Flask and Puzzles

Figure 1 Login page

A screenshot of a cell phone

Description automatically generated

Figure 2 Testing: login page with the wrong credentials

A screenshot of a cell phone

Description automatically generated

Figure 3 (Second page) Testing: logging in with a password in the database but a common password

A screenshot of a cell phone

Description automatically generated

Figure 4 Testing: logging in with a password in the database but a too short password

A screenshot of a cell phone

Description automatically generated

Figure 5 Testing: logging in with a password in the database but a too long password

A screenshot of a cell phone

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Figure 6 Testing: trying to update a password with a new common password

A screenshot of a cell phone

Description automatically generated

Figure 7 Testing: trying to update a password with a new too long password

A screenshot of a cell phone

Description automatically generated

Figure 8 Testing: trying to update password with a new too short password

A screenshot of a cell phone

Description automatically generated

Figure 9 Testing: Successful password update

A screenshot of a social media post

Description automatically generated

Figure 10 Testing: Before and after the update

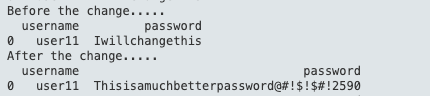


Figure 11 Testing: disabling after 15 failed login attempts by the same ip address

A screenshot of a cell phone

Description automatically generated

Figure 12 Resetting limitation after successful login

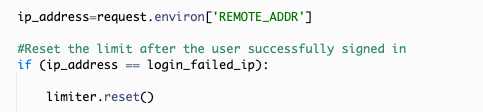


Figure 13 Testing: Logger

A screenshot of a cell phone

Description automatically generated

Figure 14 Testing: Logger analyzer

A screenshot of a cell phone

Description automatically generated

**PUZZLE**

a) Morse code was used to encode the message, and it is decoded below

**S HAS SOME STRANGE REQUESTS**

**A screenshot of a social media post

Description automatically generated**

b) Base64 was used to encode the message, and it is decoded below

**So this is base64. Now I know.**

**A screenshot of a cell phone

Description automatically generated**

c) This one was amazing I tried almost all the decoding algorithms, but they didn’t work. Finally, I had experience with caesarian shifts and first tried it in my head by shifting each letter but couldn’t figure it out. However, I tried a higher shit on the website and to my delightful surprise it worked.

Caesarian shift was used to decode the message, and it is decoded bellow.

**--- Begin Key ----**

**I am so clever. No one could possibly figure this out.**

**--- End Key ---**

**A screenshot of a social media post

Description automatically generated**