# Password Managers

Keychain vs 1Password

December 13, 2023

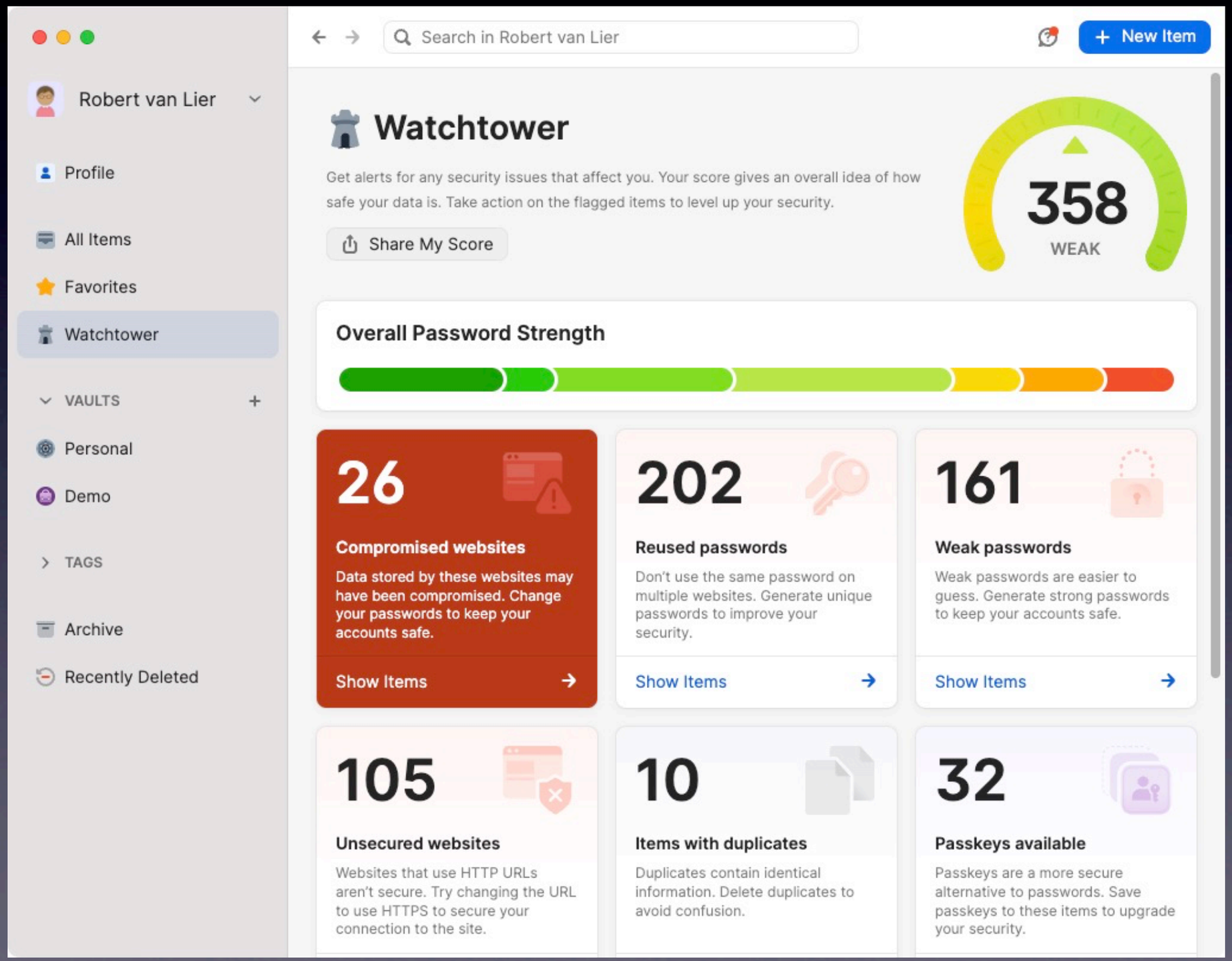
# Old ways are too Risky

- ✓ Short passwords are easily cracked
- ✓ Paper notebook easily lost, damaged, or fall into the wrong hands
- ✓ Spreadsheet files are no better
- ✓ Using the same password can lead to multiple account break-ins and identity theft

# Comparison

| Keychain | 1Password |
| --- | --- |
| macOS 13 needed to see in Safari | Continuously upgraded |
| Keychain Access is cumbersome | All-in-One |
| Works only with Apple | Works with Apple, Windows, and Android |
| Free | $2.99/mo (-25%) |
| Little explanation | Extensive Support and Community |
| Some flexibility | Extensive flexibility |

# WatchTower


Search in Robert van Lier
New Item
Robert van Lier
Profile
All Items
Favorites
Watchtower
VAULTS
Personal
Demo
TAGS
Archive
Recently Deleted
Watchtower
Get alerts for any security issues that affect you. Your score gives an overall idea of how safe your data is. Take action on the flagged items to level up your security.
Share My Score
358
WEAK
Overall Password Strength
26
Compromised websites
Data stored by these websites may have been compromised. Change your passwords to keep your accounts safe.
Show Items
202
Reused passwords
Don't use the same password on multiple websites. Generate unique passwords to improve your security.
Show Items
161
Weak passwords
Weak passwords are easier to guess. Generate strong passwords to keep your accounts safe.
Show Items
105
Unsecured websites
Websites that use HTTP URLs aren't secure. Try changing the URL to use HTTPS to secure your connection to the site.
10
Items with duplicates
Duplicates contain identical information. Delete duplicates to avoid confusion.
32
Passkeys available
Passkeys are a more secure alternative to passwords. Save passkeys to these items to upgrade your security.

# Other Comparisons

| | | |
|---|---|---|
| Store and Generate random passwords | ✓ | ✓ |
| Smart Passwords | | ✓ |
| Passkeys | ✓ | ✓ |
| Organization | | ✓ |
| Store other information securely | | ✓ |
| Tags and Archiving | | ✓ |
| Secure cloud storage and exchange with other devices | ✓ | ✓ |
| Detect weak and compromised passwords | ✓ | ✓ |
| Works seamlessly with other browsers | | ✓ |

# Presentation on 1Password

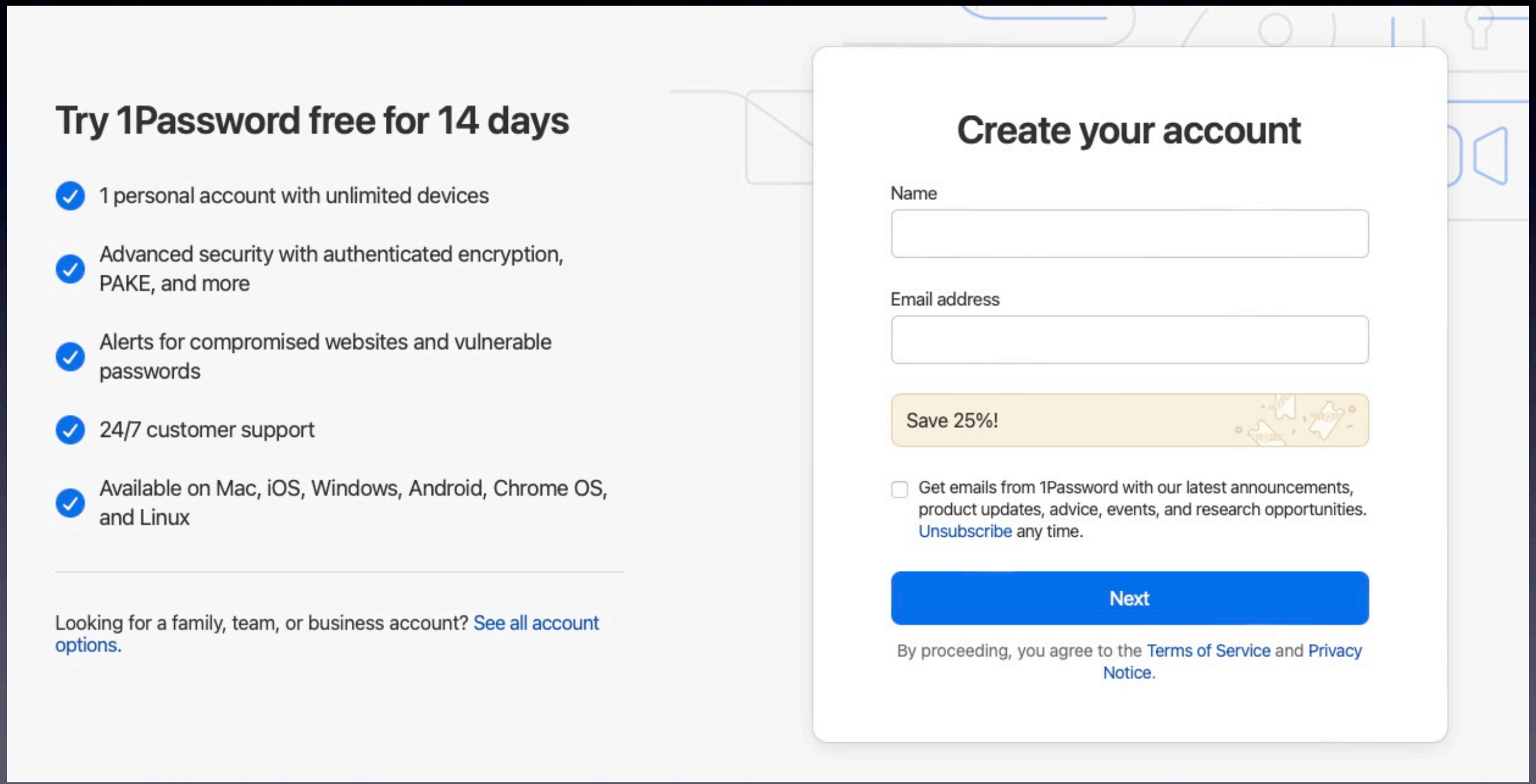
A joint meeting of the Saginaw Michigan Users Group (SMUG) and Mac-in-Awe MUG (MIAMUG)

May 2023

Grey McGree from Agilebits

YouTube hidden Link

# MUG Discount



# Weakest Link

- ✓ Both mangers employ end-to-end encryption and use cloud services to sync other Apple devices
- ✓ If a thief observes your phone's passcode and then steals your phone they can reset the account and lock you out in minutes. See WSJ video
  - Will be mitigated somewhat in future releases of iOS
- ✓ Forgetting your Account ID
  - With watch unlock activated, a thief with your watch, computer, and PIN could unlock.