Why won't they just get password managers already?

User empathy for better security.

Keira Paterson | @keira_may

What is empathy?

Empathy isn't just a feeling.

Empathy is seeing another person's pain.

You can be good at technical stuff and also be empathetic.

Empathy doesn't mean being a doormat.



It doesn't matter if your empathy is firmware or software.

Why bother?

Using empathy to help people you like*.

*or are contractually obliged to assist.

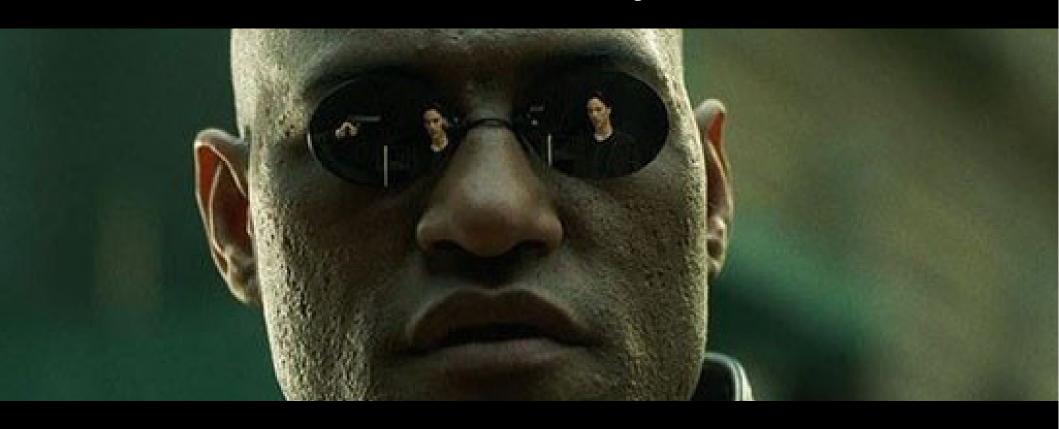
Principle One.

ignorance != stupidity

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(and we need to stop using that word)

What if I told you



you're someone else's difficult user?

Principle Two.

But... what if the user really is stupid?

But... what if the user really is stupid doesn't understand?



Principle Three.

Find out, don't guess.



Practice.

Meet the users.

What do users know?

Story time!

26% can't use a computer.

26% can't use a computer.

14% can't complete basic tasks.

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Only 5% can complete complex tasks.

Do users care about security?

YES!

94% are concerned about losing money.

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92% are concerned about data leaks.

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90% are concerned about unauthorised access to their email.

61% said they thought they already took good security steps.

40% reuse passwords.

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50% don't use 2 factor authentication.

40% reuse passwords.

50% don't use 2 factor authentication.

50% don't make backups.

42% don't use a password manager.

40% reuse passwords.

50% don't use 2 factor authentication.

50% don't make backups.

40% don't allow automatic software updates.

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Inaccurate threat perception.



"I'm just a small fish."

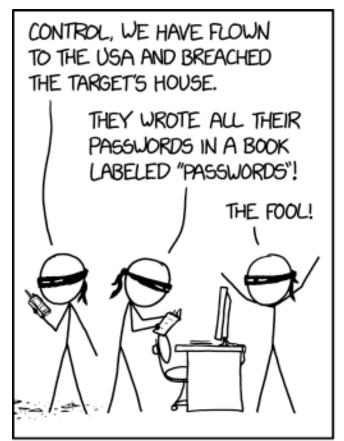
"I'm just a small fish."

"I don't have anything a hacker would want."

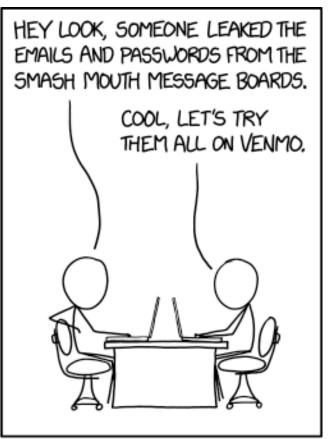
"I'm just a small fish."

"I don't have anything a hacker would want."

"I dont go to dodgy sites or use porn, so I'm safe."



HOW PEOPLE THINK HACKING WORKS



HOW IT ACTUALLY WORKS

Self-efficacy.

"I'm worried about getting locked out - it's happened before."

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"I'm worried about getting locked out - it's happened before."

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"I'm just not good at computers."

Be a cheerleader, not a fearmonger!

Response efficacy.

Be clear your suggestion will tangibly improve security.



So, why won't they get password managers already??!?

* Values conflicts.

* Values conflicts.

* Inaccurate threat perception.

* Response efficacy.

* Values conflicts.

* Inaccurate threat perception.

* Response efficacy.

* Values conflicts.

* Self efficacy.

* Inaccurate threat perception.

* Response efficacy.

* Values conflicts.

* Self efficacy.

* Inaccurate threat perception.

* Security.

* Response efficacy.

* Values conflicts.

* Self efficacy.

* Inaccurate threat perception.

* Security.



It's not them, it's us.

Meetthe devs.

40% knew of a secure code policy in their workplace.

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43% said there was any kind of security testing.

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Only 8% always check dependencies before use.

* Time (96%)

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* Resources (90%)

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- * Resources (90%)
- * Legacy code (86%)
- * Employer interest and understanding (83%)
- * Bad documentation (76%)

Self-efficacy (again).

Devs don't make the decisions.

* Come to us.

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* Help with documentation.

- * Come to us.
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- * Advocate.

- * Come to us.
- * Help with documentation.
- * Advocate.
- * Be kind.

- * Ignorance != stupidity lack of ability
- * The Spiderman principle
- * Find out, don't guesss

Empathy is a choice.

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