Database Security
Using White-Hat Google Hacking

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What is White-Hat Google Hacking?

- Hacking
- Using Google
- White-hat

Where to Start

- Do some searching

- http://johnny.ihackstuff.com/ghdb.php
- i-hacked.com/content/view/23/42

- For the truly impatient.....

Google's TOS

- Under 18?
- No automation
- What's not in the TOS

How to Use Google

- wildcards * .
- Different media types
- Boolean search

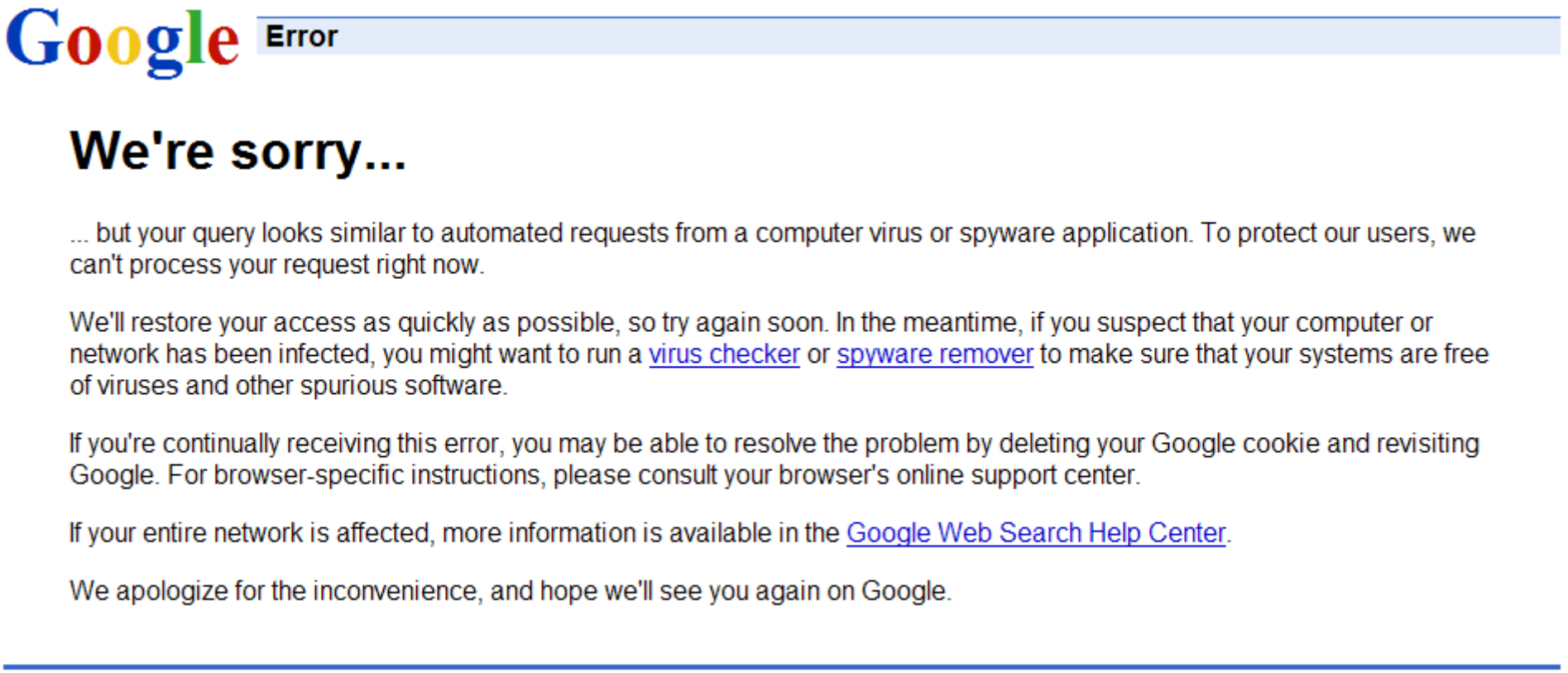
Google Basics

- 10 word limit
- AND assumed
- foo | bar

Operators

- http://www.google.com/help/operators.html
  /cheatsheet.html
- Site matters
- filetype: vs inurl:

site:www.sheeri.com inurl:?id=1..100000



Security Advisories

- App and Web servers
- Applications
- Companies

Vulnerable Locations

- Common paths

- Open source = double-edged sword

Some To Try

inurl:config.php

inurl:php?

inurl:delete

inurl:delete.php?id=

link:private.yourcompany.com

numrange:

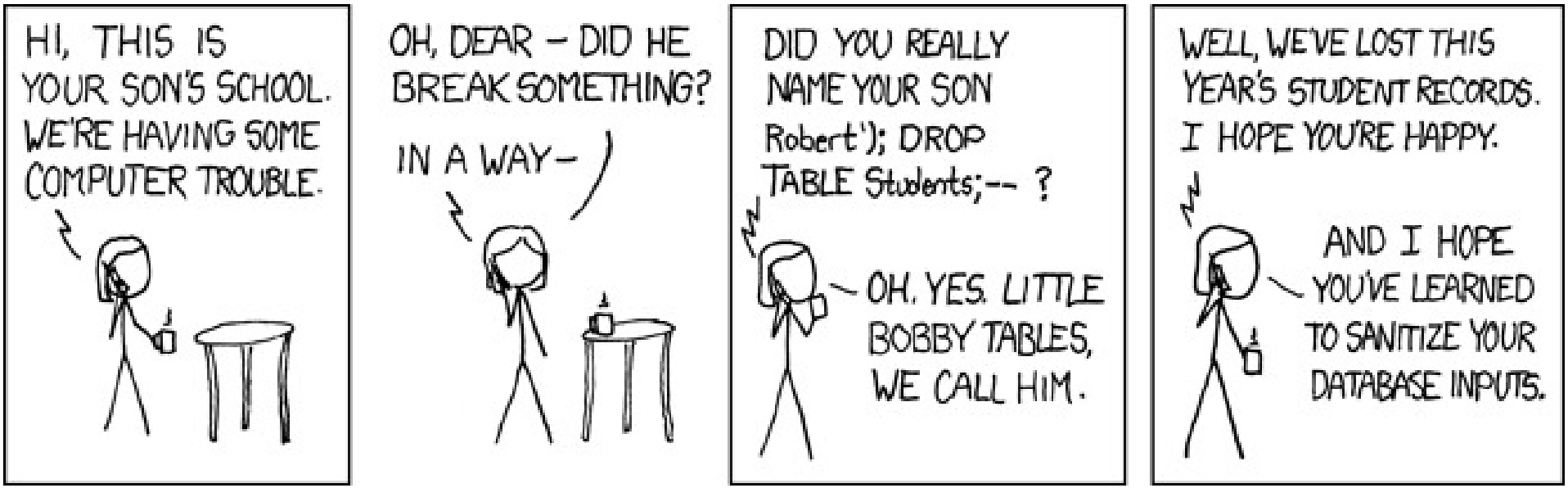
More To Try

- Page 35 of http://www.sdissa.org/downloads/San%20Diego%20ISSA%20Google%20Hacking%20and%20Beyond%20May%202006-rhd.pdf
- http://pauldotcom.com/wiki/index.php/Episode81#Tech_Segment:_Google_Queries_To_Run_Against_Your_Own_Domain

Defensive Strategies

- Validate/scrub input
- CSRF – Validate source
- XSS

XSS Example



When, Not If

- How is application DB access stored?
- As strong as your weakest link
- No vaccine

Regression Testing Tools

- http://murfie.googlepages.com/
  - goolink
  - crapscan
  - goohosts

More Actions

- Google Hacking Software
  - http://code.google.com/p/googlehacks/
- Google Hacks Honey Pot
  - http://ghh.sourceforge.net/
- Google honors robots.txt

Vulnerability Checking Tools

- Goolag
- Wikto/Nikto

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