

ISPYHORSES.COM

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Overview

- Introduction
- Server and Hosting
- Framework
- Performance and Website Optimization
- Security
- Limitation

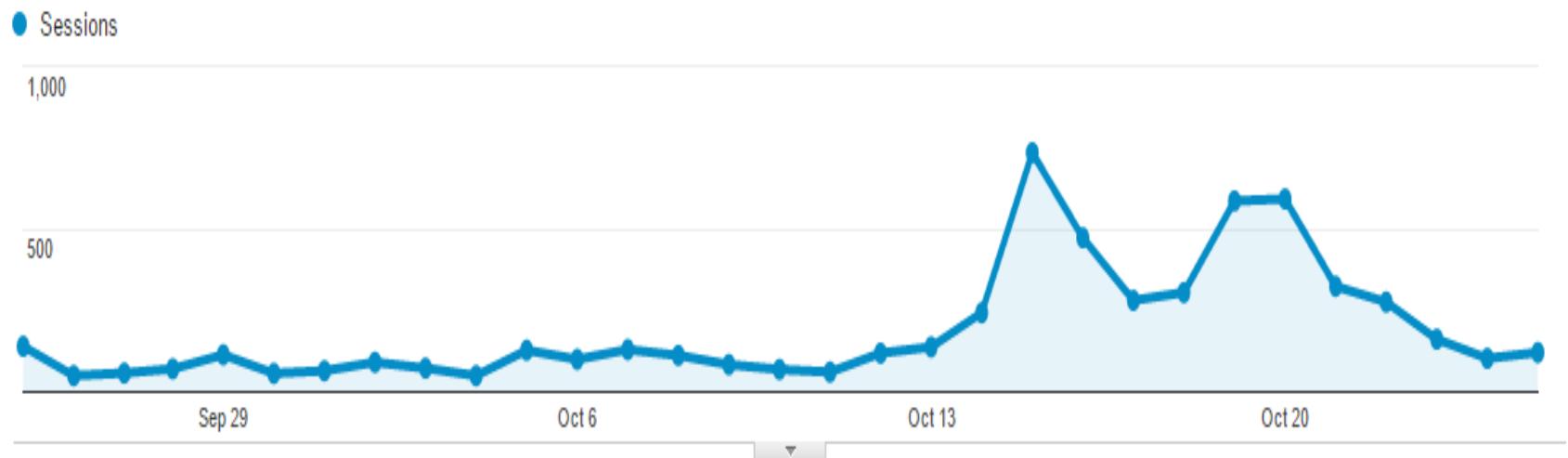
Introduction

- ispyhorses.com connects horse enthusiasts and horses throughout the world.
 - A listing platform
 - News from the world of horses
 - Share daily horse stories
 - Humans and Horses



Launched on 26th Aug 2015

- Around 100 visits per day
 - A promotion competition was held in October
 - 3936 likes on Facebook
 - Around 700 listings on the site



Hosting

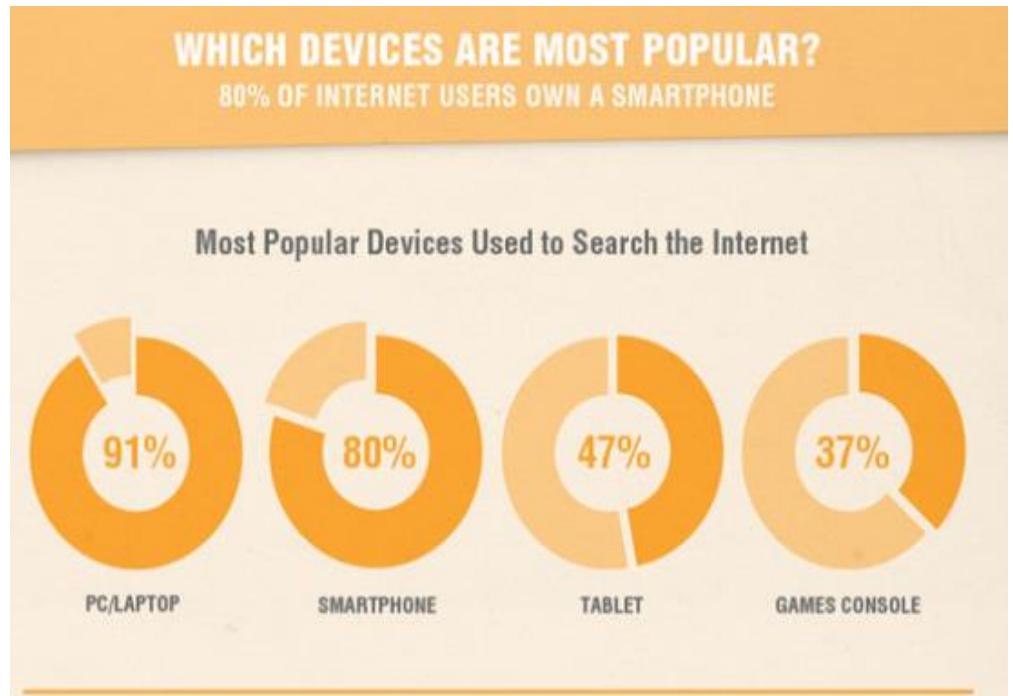
- Optimus System
- Virtual Private Server
 - High priority access to the operating system
 - Functionally equivalent to a dedicated physical server
 - Simple to create and configure

Framework

- PHP language
- Supports the development of dynamic websites, web applications, web services and web resources
- Developed by Latch Digital
- Based on Symfony
- Complements twig template engine
- Overall layout
 - CSS, JavaScript
- MySQL Database

Performance

- Approximately **80%** of internet users search the internet by **mobile**
- Almost **50%** of internet users search internet by **tablet**
- At this stage, customers of iSpyHorses mainly use smartphones and tablets



Resolution Usage of iSpyHorses

	Screen Resolution ?	Acquisition			Behavior		
		Sessions ? ↓	% New Sessions ?	New Users ?	Bounce Rate ?	Pages / Session ?	Avg. Session Duration ?
		4,137 % of Total: 70.00% (5,910)	74.50% Avg for View: 69.64% (6.97%)	3,082 % of Total: 74.88% (4,116)	56.85% Avg for View: 51.51% (10.38%)	2.93 Avg for View: 3.88 (-24.57%)	00:01:50 Avg for View: 00:02:44 (-32.96%)
<input type="checkbox"/>	1. 320x568	1,301 (31.45%)	70.41%	916 (29.72%)	57.11%	2.68	00:01:30
<input type="checkbox"/>	2. 768x1024	700 (16.92%)	75.57%	529 (17.16%)	51.71%	3.78	00:02:34
<input type="checkbox"/>	3. 375x667	693 (16.75%)	73.30%	508 (16.48%)	53.82%	2.82	00:01:44
<input type="checkbox"/>	4. 360x640	670 (16.20%)	77.16%	517 (16.77%)	58.51%	2.93	00:02:00
<input type="checkbox"/>	5. 320x480	212 (5.12%)	86.79%	184 (5.97%)	66.04%	2.15	00:01:02
<input type="checkbox"/>	6. 480x800	83 (2.01%)	62.65%	52 (1.69%)	60.24%	2.20	00:02:01
<input type="checkbox"/>	7. 414x736	79 (1.91%)	82.28%	65 (2.11%)	59.49%	2.89	00:01:50
<input type="checkbox"/>	8. 720x1280	67 (1.62%)	86.57%	58 (1.88%)	70.15%	2.03	00:01:04
<input type="checkbox"/>	9. 320x534	58 (1.40%)	81.03%	47 (1.52%)	60.34%	2.50	00:01:46
<input type="checkbox"/>	10. 1280x800	46 (1.11%)	58.70%	27 (0.88%)	47.83%	5.72	00:04:07

Responsive Layout

- Bootstrap CSS
 - Grid system
 - Webpage is divided into many rows and columns to layout the content
 - Set maximum width for container in case of large screen size
 - uses the media queries to break all resolutions to four sizes

Responsive Layout

	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints		
Container width	None (auto)	750px	970px	1170px
Class prefix	<code>.col-xs-</code>	<code>.col-sm-</code>	<code>.col-md-</code>	<code>.col-lg-</code>
# of columns	12			
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	Yes			
Column ordering	Yes			



1366x768

List Horse

TITLE
Title will appear with listing.

ASKING PRICE(\$)

Or POA

BREED

Appaloosa Arab
 Foreign Breeds Friesian
 Kaimanawa Morgan
 Pinto Quarter Horse
 Standardbred Thoroughbred
 Warmblood Other
 Stationbred Irish Hunter
 Hanoverian Paint
 Holsteiner Clydesdale

AGE

Select Age

360x640



Nav



HUMANS N HORSES



Nav

Listing Type

Homepage Banner(\$140.00)

- Premium position
- Links through to listing
- Add up to 20 photos

Super Feature Listing(\$75.00)

- Appears on homepage carousel
- Links through to listing
- High visibility
- Add up to 14 photos

Feature Listing(\$39.00)

- Appears in browse search results



Nav

Text Search

Text Search

Country

Select a country

Order By

Latest Listings

Go



Weiti Zucchini

Breed Stationbred

Country New Zealand

Height 67 inches | 17 metres | 16.3 hands

Price NZD 15000

Weiti Zucchini (Zac) 16.3HH 8 year old gelding by Manuka (Weiti Stud) out of an Abba's Lad mare. With much sadness Zac is for sale. This horse is incredible, heaps of scope and power with the most beautiful nature and manners. Snaffle mouth. NO whips, spur or any other gadgets required! Lovely to have around, easy to manage on the ground, stud, wash, farrier, teeth, float, easy to take away to shows. Incredible feeling to ride, big, straight powerful movement with soft mouth, very much in front of the leg and easy in a contact. Basic flatwork established, quick learner. Zac is a very clever horse, with a stunning temperament and work ethic, picks up new things very...

more info



Website Optimization

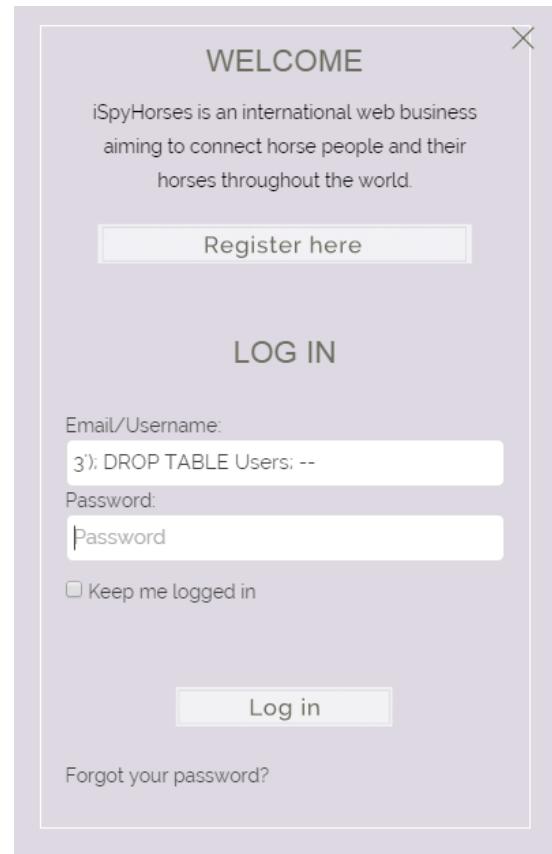
- **Search Engine Optimization**
 - SEO tools like Google Analytics are used to identify keywords
 - The title tag provides a brief summary of iSpyHorses to inform users of what they will see from the website
 - Description tag describes more details of the page
 - Each page includes only one header tag
 - Sitemap guides search engines throughout the website with the names and locations of pages
 - Image tag with an "alt" attribute provides more keywords

Website Optimization

- Other bits
 - Get rid of useless JavaScript
 - Specific JavaScript only loads when needed
 - Reduce the size of updated images
 - Lazy loading for rotated pictures

Security

- **SQL injection**
 - a code injection technique, used to attack data-driven applications, in which malicious SQL statements are inserted into an entry field for execution.
 - **SELECT * FROM Users
WHERE UserName = \$input;**

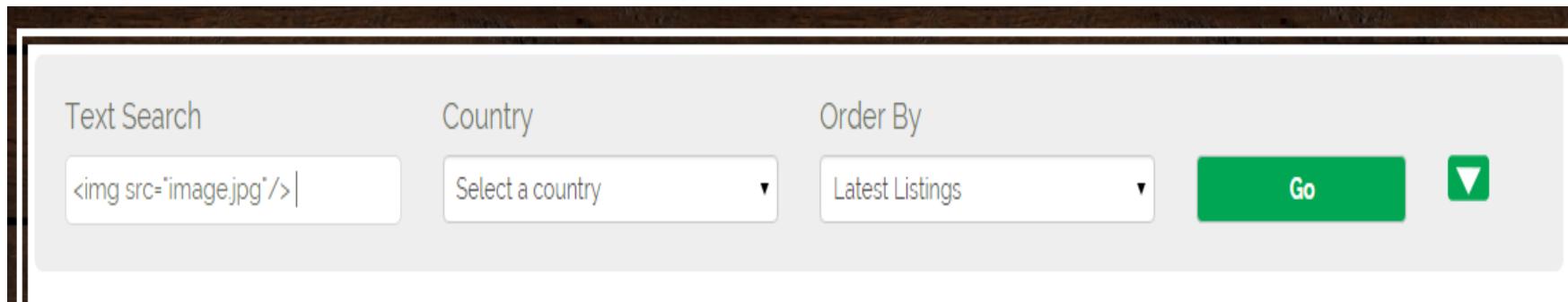


Cross-Site Scripting

- another type of injection
- allow injection of code into the client side of a web application

Text Search Country Order By

 Select a country Latest Listings Go ▾



Text Search Country Order By

 Select a country Latest Listings Go ▾

Searching for

0 Results in Horse Listings

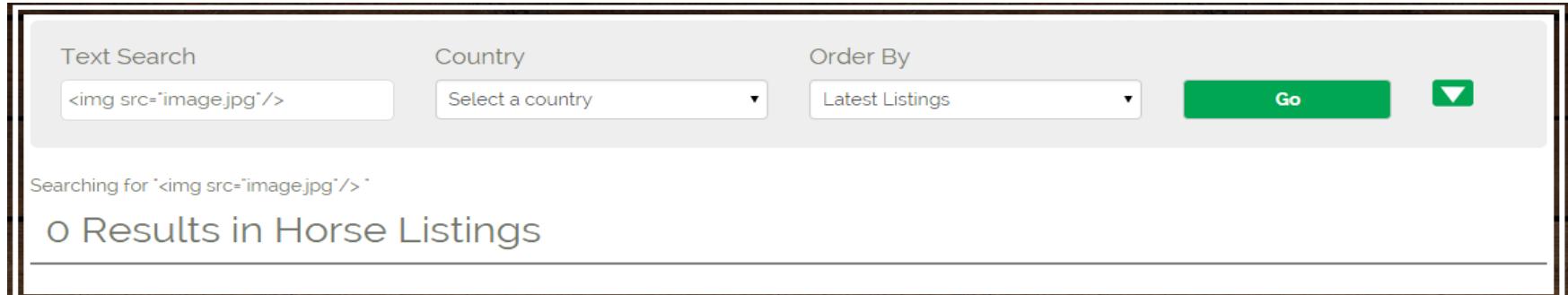


Image Upload

- Users are able to upload their own pictures
- Only allows right image extension
(jpg/jpeg/png/gif)
- Resize and rename

Limitation

Originator	username TBC	#210
Message	Hi, I am trying to list a horse for sale however I am unable to upload any photos, when I click on the main photo or extra photo buttons nothing happens.... does your website work with SAFARI?	
Name provided	Michelle Hamilton	

- Several functions are not supported by older versions of some browsers
 - Image preview

Demo

- www.ispyhorses.com
- www.ispyhorses.com/ispy_new/admin/login

Acknowledgment

- Many thanks to Ulrich and Mano for their useful comments and suggestions.
- Many thanks to my mentor, Dave Wilcox

Thank you!

Any
Questions or Comments?