Etsy's Product Development with Continuous Experimentation

November 8th, 2012 QCon San Francisco

Frank Harris

Group Product Manager, Search & Data frank@etsy.com @hirefrank

Nelwyn Thomas Staff Data Analyst nellwyn@etsy.com @nellwyn

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ne words anamace and vintage marketplace.



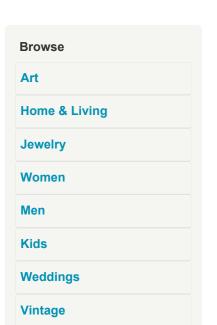
Register

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Search for items and shops

Search









Handpicked Items See more

Picked by violasboutique









Daily Finds Email

Accessories for iPhone

Supplies

Holidays

Get gift ideas, editors' picks & fresh trends in your inbox.

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Sign Up

Categories Gift Cards Colors Treasury

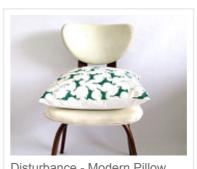
Shop Local

See our other newsletters.

More Ways to Shop







Disturbance - Modern Pillow ... ClothandINK \$36.00 USD

Modern Christmas Tree Lino...

RetroModer...

Christmas Stocking. Large St... bluestitchha.. \$28.00 USD



Joy Holiday Decor, Christma... AppleWhite \$42.00 USD

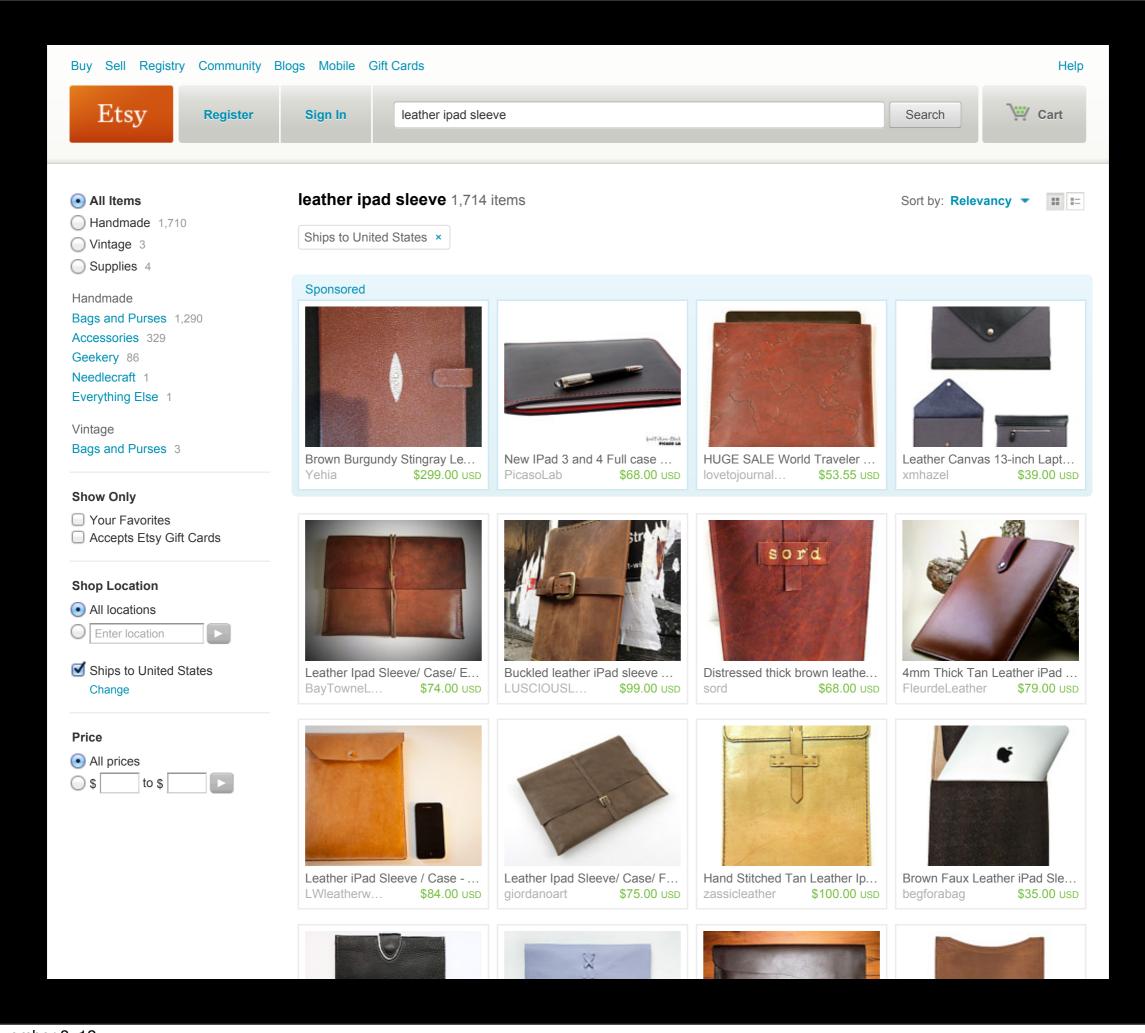


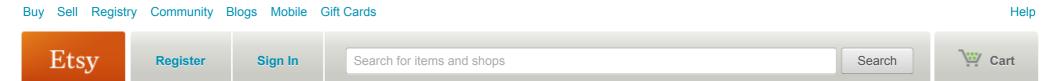
Glass Christmas Tree Ornam... thewhitepep. \$13.50 USD



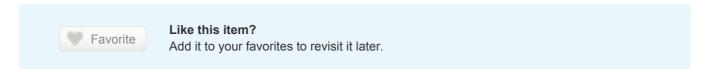
\$20.00 USD

Christmas Ornament Photogr... \$15.00 USD Raceytay





Home > BayTowneLeatherUSA > IPAD Cases



Leather Ipad Sleeve/ Case/ Envelope/ Folio for IPAD 2 or 3. Full Grain Veg Tan Leather. Handmade by BayTowneLeatherUSA.

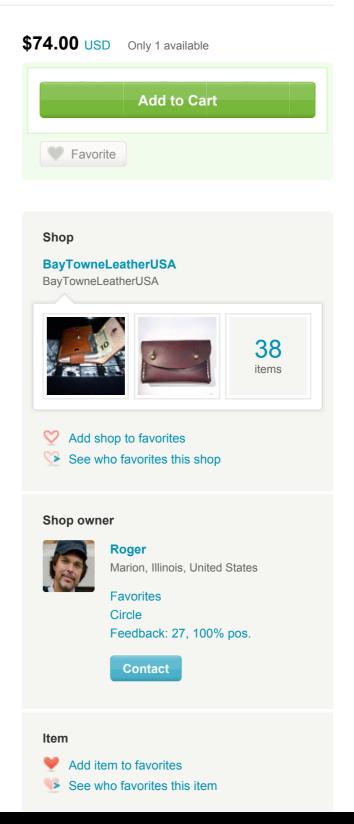


O zoom

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Made of beautiful - rugged 5/6 oz. Premium veg tan leather (which will break in beautifully); it will develop a wonderful natural patina over time as only full grain veg tan leather can do. (Gets better with age)

I make these cases ONE BY ONE as orders are received



OWEII 5 W tems from 800kshops in 150 countries

40M unique visitors per month

\$525M sales in 2011

30 deploys per day by 200+ people = over 10,000 deploys in 2011.

This is continuous delivery at Etsy.

Exigence of the second a Ceaways

02. Deploy to Production

85c3a6f → 85c3a6f

Deploy to Production

What to watch after a push Log Watcher (supergrep) Forums



Thursday, November 8, 12



Updated about page. Added Ashley, removed T

Browse code

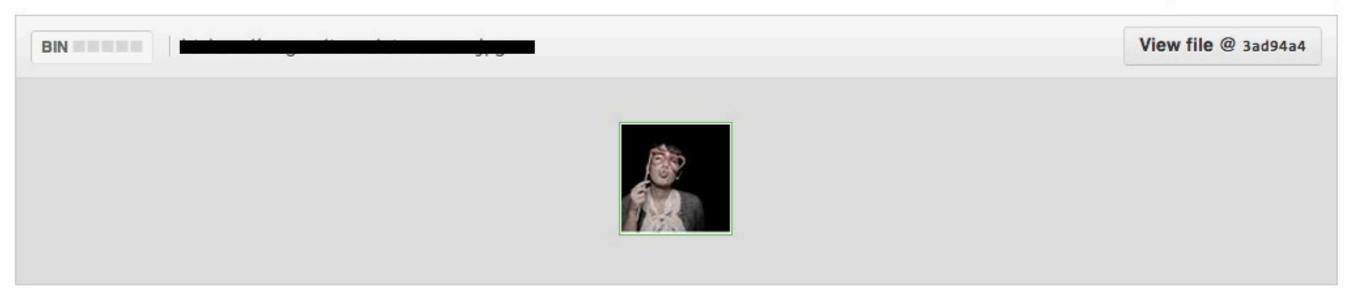


atuccero authored a month ago

1 parent 7ba588222f commit 3ad94a4ca3f8ea51f9a3a6ff99bb96323b200af7

El Showing 2 changed files with 1 addition and 1 deletion.

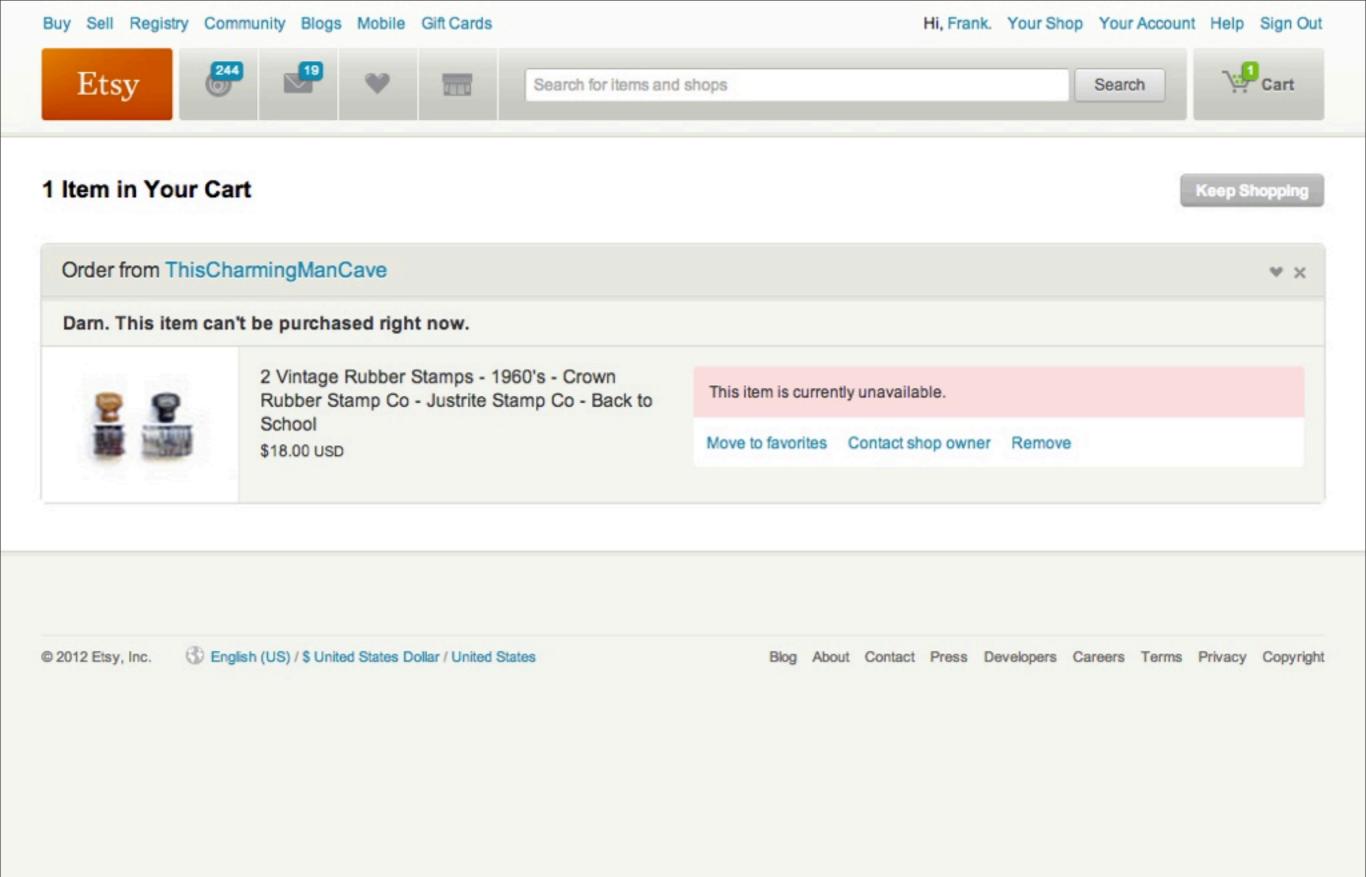
Show Diff Stats

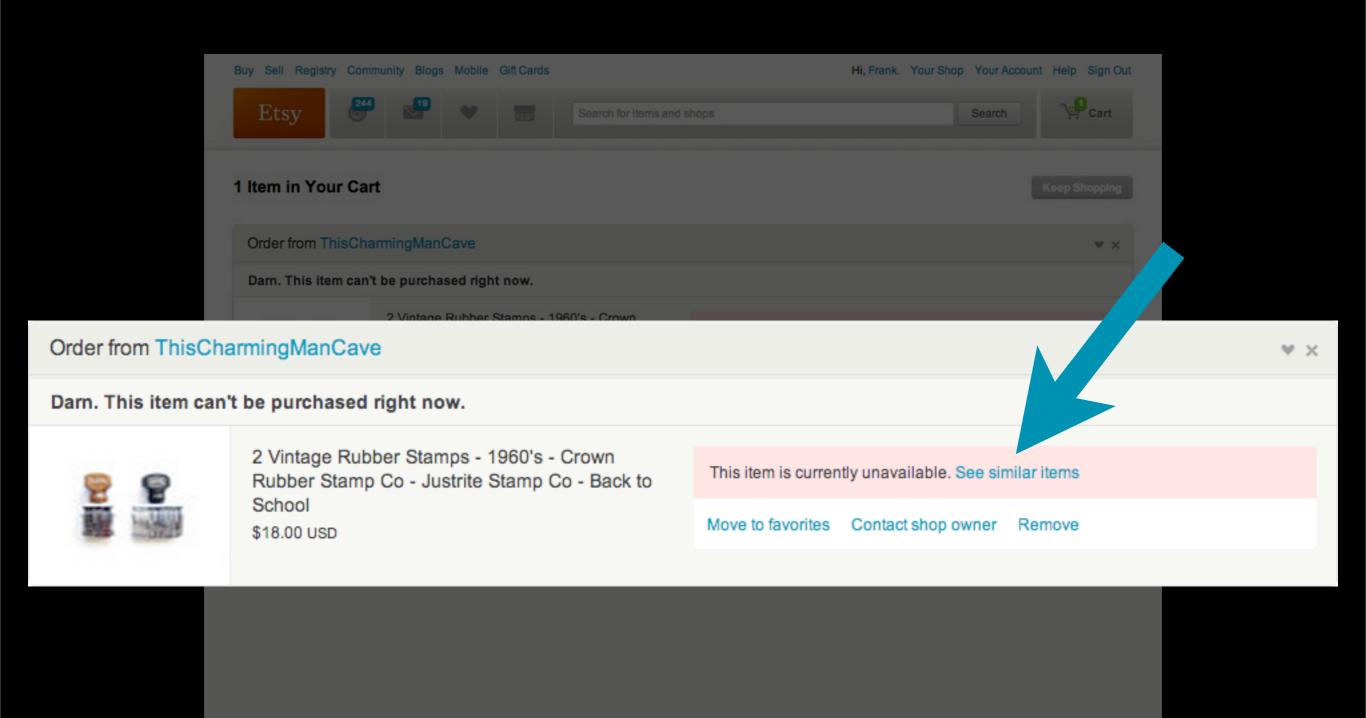


```
View file @ 3ad94a4
 2
         @@ -342,6 +342,7 @@
                 <img src="/images/team/amoodie.jpg" rel="amoodie" /><label>Aaron</label>
342 342
                 <img src="/images/team/acorrie.jpg" rel="acorrie" /><label>Anda</label>
343 343
344 344
                            <img src="/images/team/apeterson.jpg" rel="apeterson" /><label>Andrew</label>
                            <img src="/images/team/atuccero.jpg" rel="atuccero" /><label>Ashley</label>
    345
                            <img src="/images/team/bwilliams.jpg" rel="bwilliams" /><label>Brittany</label>
345 346
346 347
                            <img src="/images/team/candrews.jpg" rel="candrews" /><label>Chesley</label>
                            <img src="/images/team/ccosentino.jpg" rel="ccosentino" /><label>Chris</label>
347 348
         @@ -373,7 +374,6 @@
                            <img src="/images/team/rhunt.jpg" rel="rhunt" /><label>Randy</label>
373 374
374 375
                            <img src="/images/team/scusano.jpg" rel="scusano" /><label>Sam</label>
                            <img src="/images/team/tholley.jpg" rel="tholley" /><label>Tim</label>
375 376
                            <img src="/images/team/tnguyen.jpg" rel="tnguyen" /><label>Truong</label>
376
377 377
                            <img src="/images/team/vgupta.jpg" rel="vgupta" /><label>Vineet</label>
                            <img src="/images/team/wkonu.jpg" rel="wkonu" /><label>Wolasi</label>
378 378
379 379
```

Continuous Delivery Why We Like It

- Less scary, small and frequent
- Move faster
- More empowering
- Breeds confidence





Etsy

Register

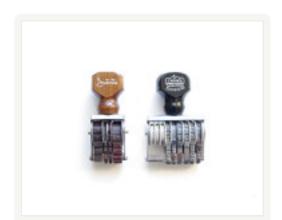
Sign In

Search for items and shops

Search

Sort by: Relevancy





2 Vintage Rubber Stamps -1960's - Crown Rubber Stamp Co - Justrite Stamp Co - Back to School

This Charming Man Cave



Show Only

Your Favorites

Accepts Etsy Gift Cards

Shop Location

All locations



Ships to

United States #

Price

All prices





vintage × rubbe

rubber stamp × office ×

supply ×

Add ▼

\$19.95 USD



Very vintage French desk sta...

Mademoisell... \$14.95 USD



Vintage Rubber Stamp Symb...
ArtfulVintage \$13.00 USD



Vintage Price Stamp, Garvey...

\$35.00 USD

SummerHoli...

Rubber Stamp Holder susantique \$24.00 USD



Mademoisell...

Vintage Wooden and Rubber... mrbarnes5 \$9.00 USD



Vintage Crown Bank Teller D... SydVintage \$4.99 USD



Vintage Crown Ledger Line D... SydVintage \$1.99 USD











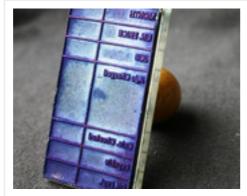
☐ Ships to



Price

All prices





Fab large vintage commercial...
Mademoisell... \$29.00 USD



Vintage Crown Bank Teller D... SydVintage \$5.99 USD



Vintage Crown Ledger Line D...
SydVintage \$2.99 USD



Petite Dark Oak Antique Woo...
TimelessBy... \$12.50 USD



Shaded Metal Fastener Clip ... kawaiigoodies \$2.95 USD



Standard Rubber Stamp Hold...
RosebudsOr... \$24.95 USD





vintage office funk ... WOOD...
Inktiques \$12.00 USD



VTG rubber stamp Printing Ki... dagutzyone \$20.00 USD



Vintage Wooden Rubber Sta... oliday \$18.50 USD



Rubber Stamp Bag National ...
ThreeOldKeys \$11.00 USD



















\$5.99 USD

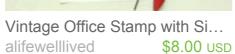
SydVintage













Dial a phrase stamp with 12 ... FunsizeCrea... \$9.95 USD



Vintage Candy Commission ... CaprockVint... \$6.00 USD



Vintage Rubber Stamp Makin... heretoforem... \$25.00 USD



Vintage Jennifer Rubber Stamp







Ultra mini French or Europea...



SydVintage \$5.99 USD



Vintage Crown Club Dater D... SydVintage \$5.99 USD



Vintage Carter's Rubber Sta... SydVintage \$3.99 USD





Vintage Office Stamp with Si... alifewelllived \$8.00 USD



Dial a phrase stamp with 12 ... FunsizeCrea... \$9.95 USD



Vintage Candy Commission ... CaprockVint... \$6.00 USD



Vintage Rubber Stamp Makin... heretoforem... **\$25.00** USD



Vintage Jennifer Rubber Stamp \$12.00 USD iSpyVintage



Vintage Pullman Shipping Di... SydVintage \$9.99 USD

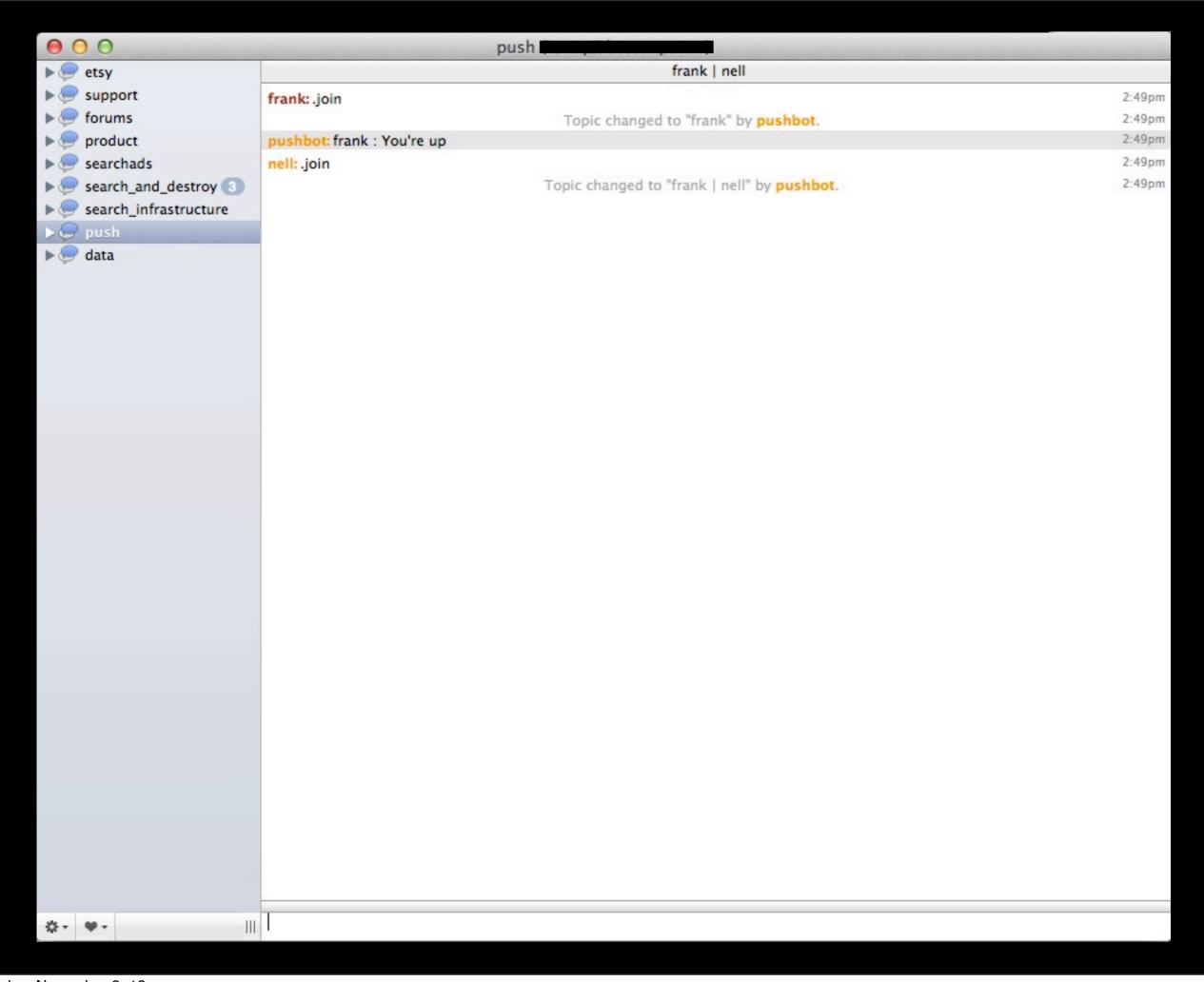


Ultra mini French or Europea... \$4.95 USD kawaiigoodies

config.php

```
// Owner: frank
$server_config['new_config']['similar_items_when_unavailable'] = array(
    'description' => 'Shows similar items link on unavailable items in the cart.',
    'enabled' => 'off'
);
```

template.tpl



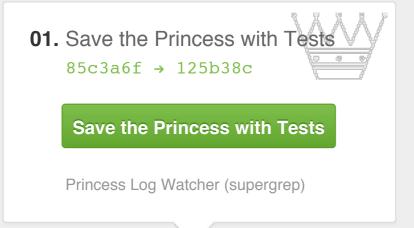
Welcome to Deployinator

fharris — Switch account deploy.etsycorp.com is up

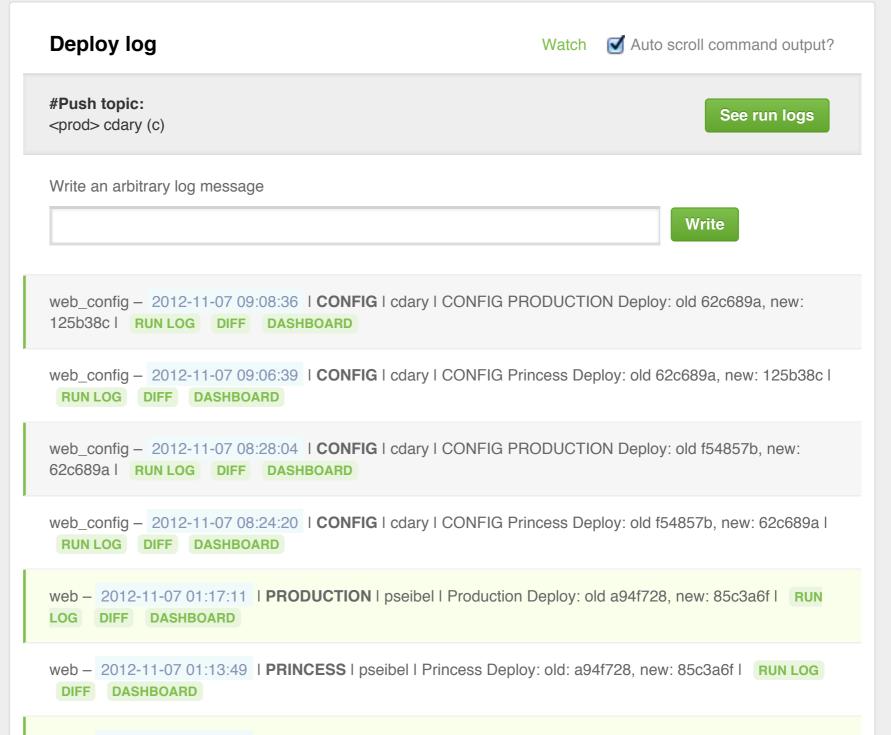
Change stack: web



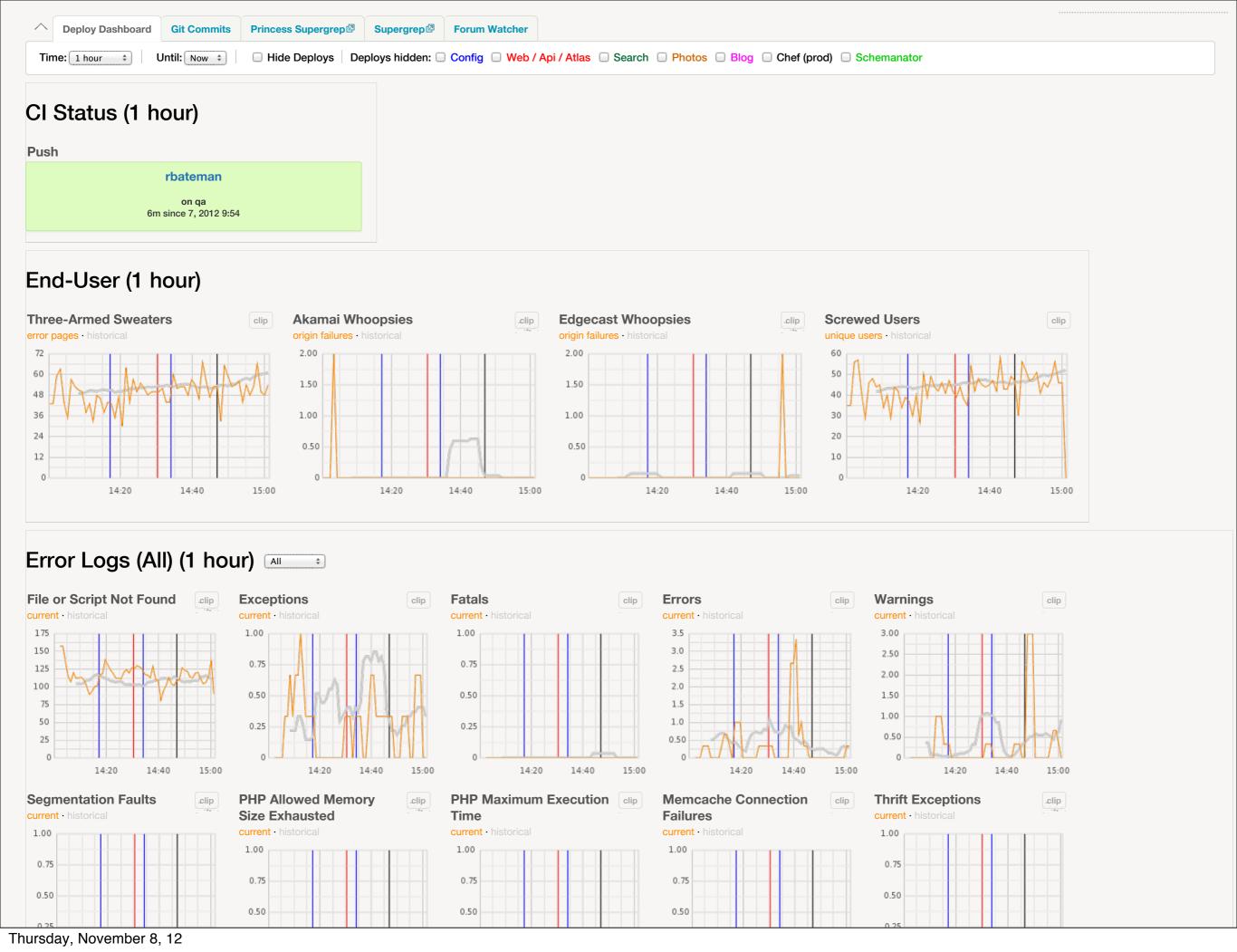
Version: Test: 85c3a6f-20121107-011117-UTC Princess: 85c3a6f-20121107-011117-UTC Production: 85c3a6f-20121107-011117-UTC



02. Deploy to Production
 85c3a6f → 85c3a6f
 Deploy to Production
 What to watch after a push Log Watcher (supergrep)



Forums



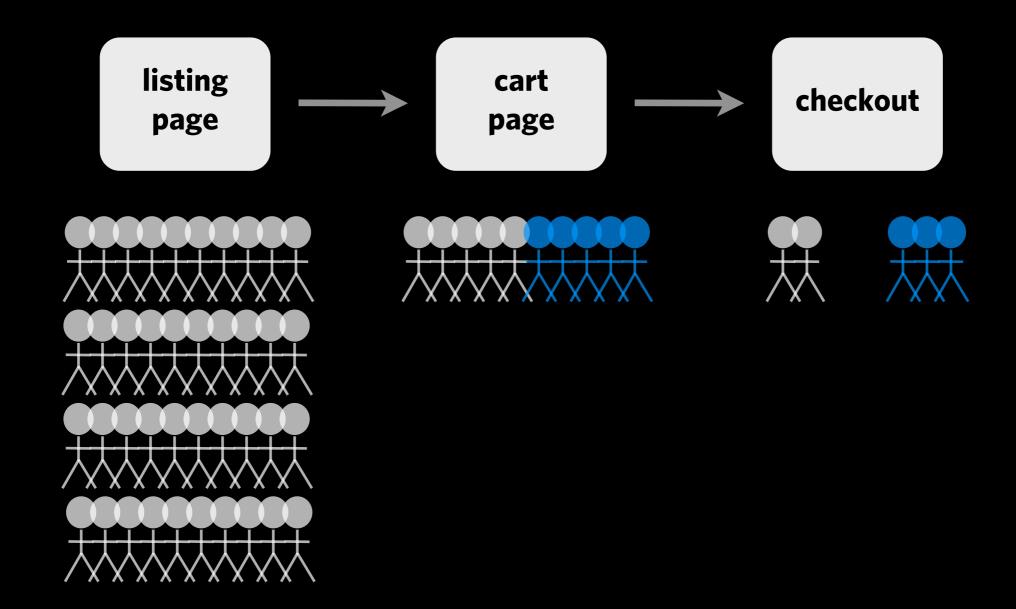
ex de l'inent a Ceaways

Exactly tile

```
// Owner: frank
$server_config['new_config']['similar_items_when_unavailable'] = array(
    'description' => 'Shows similar items link on unavailable items in the cart.',
    'enabled' => 'off'
);
```

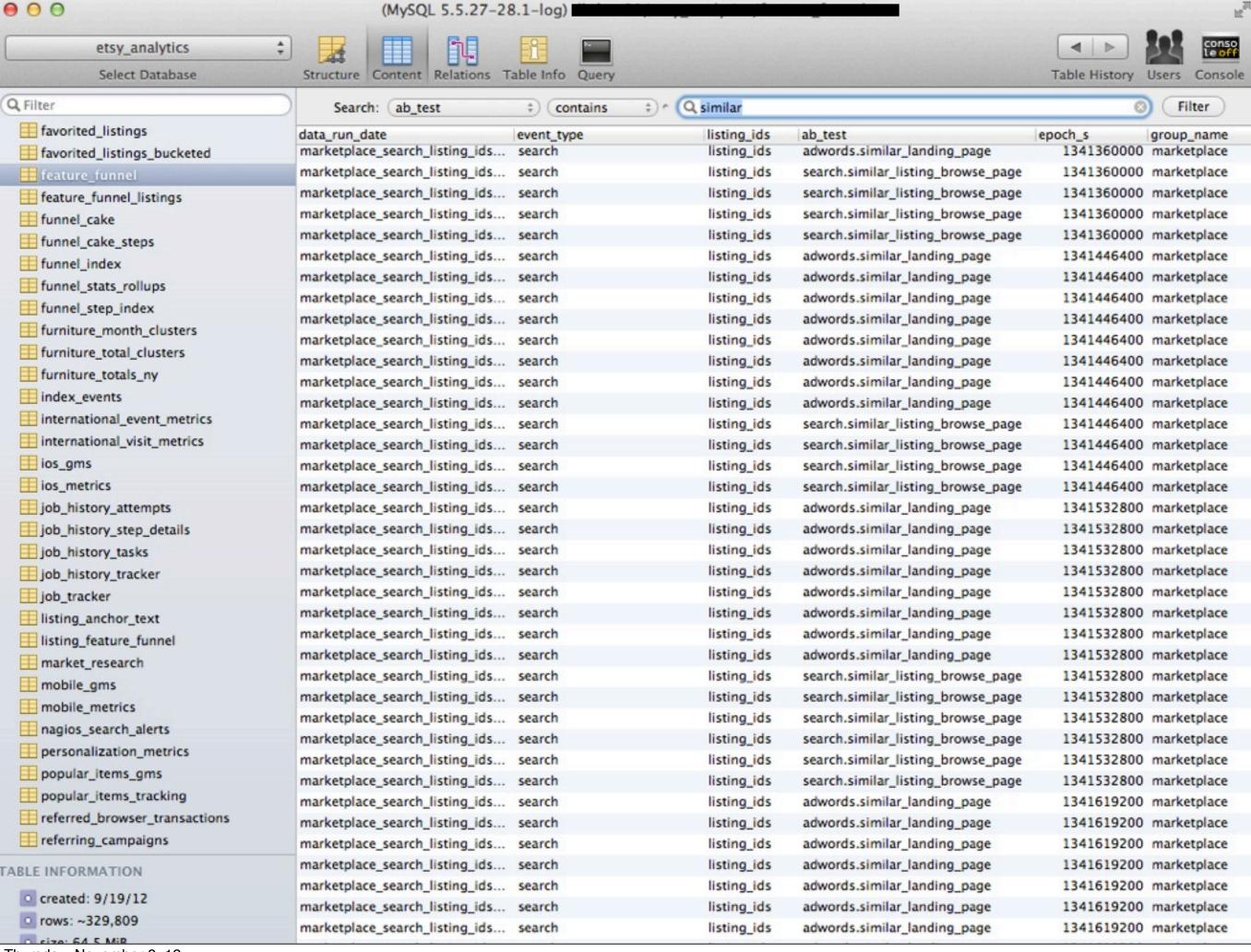
```
// Owner: frank
$server_config['new_config']['similar_items_when_unavailable'] = array(
    'description' => 'Shows similar items link on unavailable items in the cart.',
    'enabled' => '50' // now 50% of all visits will see this experiment.
);
```

Experiments Requirements: Bucketing



Experiments Requirements: Logging





on

```
// Owner: frank
$server_config['new_config']['similar_items_when_unavailable'] = array(
    'description' => 'Shows similar items link on unavailable items in the cart.',
    'enabled' => 'on'
);
```

off

```
// Owner: frank
$server_config['new_config']['similar_items_when_unavailable'] = array(
    'description' => 'Shows similar items link on unavailable items in the cart.',
    'enabled' => 'off'
);
```

Reusing config, automated bucketing, automated analysis & graphing

with no additional effort

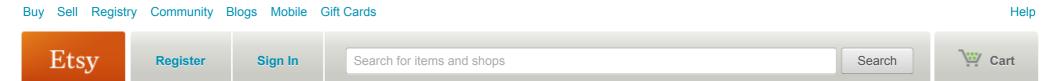
Etsy Launch Calendar Home By Team - Add an Item Last Updated More -

Have an upcoming launch? Add an item

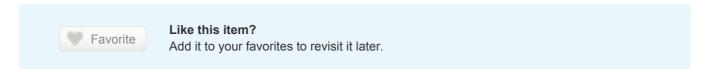
Recent 100% launches

Date	Name	Team	Notes
Nov 7	Gift Ideas browse pages ****	Buyer Experience	This is a gift guide browse destination. Subsections will focus on recipient (for him, for her, for kids, etc.) and price (under \$25, under \$100, etc.). It will work just like all other browse pages. There will be NO HAND
Nov 7	Etsy for iPhone (v2.1.1)	Mobile	Example — We submitted the app on Friday. We will be pushing it out when it's approved by Apple; our hope is that it's approved by Wednesday. There will be no coordination with PR or blog post. We may send
Nov 2	Winter Holidays browse pages !!! (**)	Buyer Experience	Example — These are browse pages for the Winter Holidays and will feature subsections for holiday decor, cards, etc. They'll be similar to our holiday merch hub from last year, but much deeper in terms of browsing opportunities. Those in UK
Nov 1	Updated treatment of homepage browse links	Buyer Experience	Example — Over a two week period we observed 4%-5% increases in browse landing page and subsection page views. There were also slight increases in add to cart and listings viewed events. Visits with a search and search events were down
Oct 24	Next day availability of DC funds ♥ ♣♣♣	Payments	We plan to allow established sellers to be able to deposit their funds prior the next day after a sale. Non established sellers will still need to ship items to have available funds.
Oct 23	Reduce one-time hold from 10 days to 5 days	Payments	Whenever a new seller signs up for direct checkout, a 10 day hold is placed on deposits. This also occurs anytime a bank account is updated. We have decided to reduce this standard hold period to 5 days. The main
Oct 23	Etsy for iPhone (v2.1) ♥ ♣♣	Mobile	Example — Update: We have been approved by Apple and will be launching Tuesday, 10/23 at 8am ET Our target submit date to Apple is Wednesday 10/10. Depending on Apple's turnaround time, we expect the app to be
Oct 22	Recipient Query Rewriting	Search & Destroy	Example — This didn't move metrics positively or negatively. However we decided to keep it because this is the first step towards using recipient in search, and encouraging users to properly associate their listing w/ a recipient. We will reevaluate how
Oct 19	Parcel Insurance for Shipping Labels ♥ 🎎	Seller Team	Example 1, Example 2 — Rampup started 10/9. Scheduled to finish 10/19.
Oct 18	Search Ads respecting filters	Search & Destroy	This experiment didn't hurt inventory: https://splunk.etsycorp.com/en- US/app/search/flashtimeline?sid=1350940765.163366&vs=h8m3sk4b Also it looks like CTR might have improved.

Exigence of the second example (



Home > BayTowneLeatherUSA > IPAD Cases



Leather Ipad Sleeve/ Case/ Envelope/ Folio for IPAD 2 or 3. Full Grain Veg Tan Leather. Handmade by BayTowneLeatherUSA.

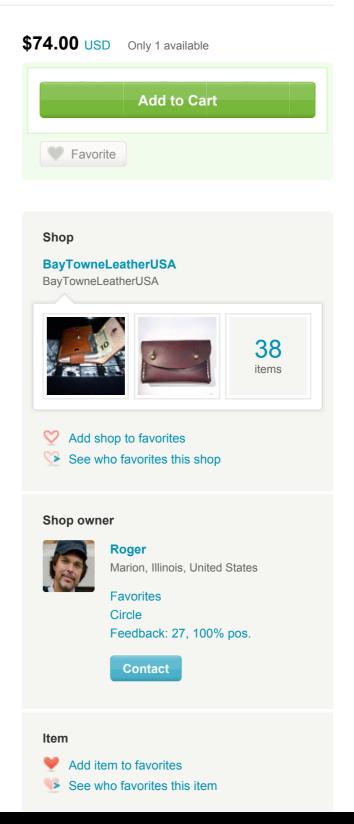


O zoom

This luxurious/rugged and well built IPAD case will protect your IPAD in style. Or you can use it as a folio to carry your necessities . Luxurious enough for use at the office, and rugged enough for use on the trail.

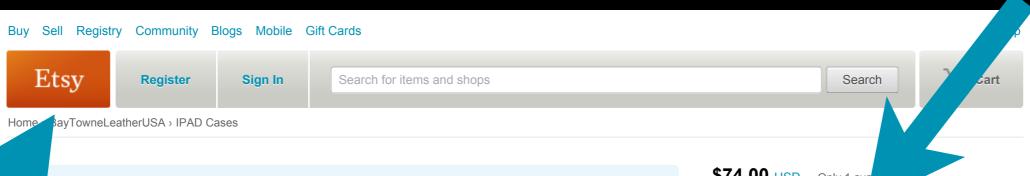
Made of beautiful - rugged 5/6 oz. Premium veg tan leather (which will break in beautifully); it will develop a wonderful natural patina over time as only full grain veg tan leather can do. (Gets better with age)

I make these cases ONE BY ONE as orders are received



22% visits enter

53% leave immediately



Leather Ipad Sleeve/ Case/ Envelope/ Folio for IPAD 2 or 3. Full Grain Veg Tan Leather. Handmade by BayTowneLeatherUSA.

Add it to your favorites to revisit it later.

Like this item?

Favorite

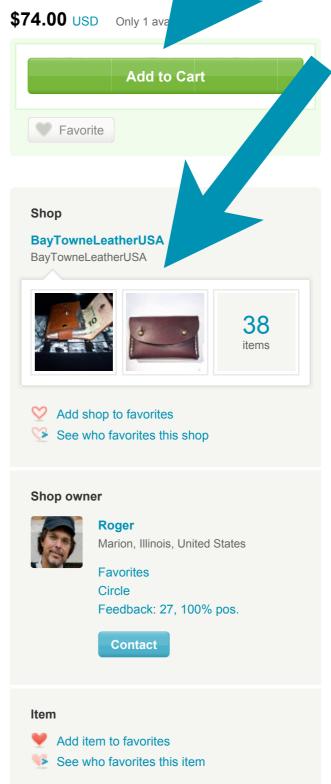


O zoom

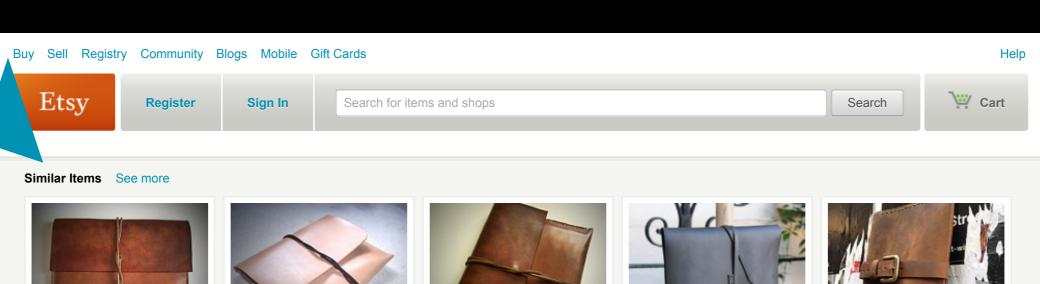
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I make these cases ONE BY ONE as orders are received



anow if this theory is







Leather Ipad Sleeve/ Case/ E... BayTowneL... \$74.00 USD



Leather Document Case, Foli... BayTowneL.. \$94.00 USD

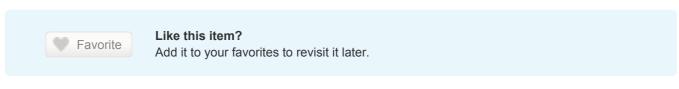


Leather ipad case. Handstitc... StudioFi \$55.00 USD

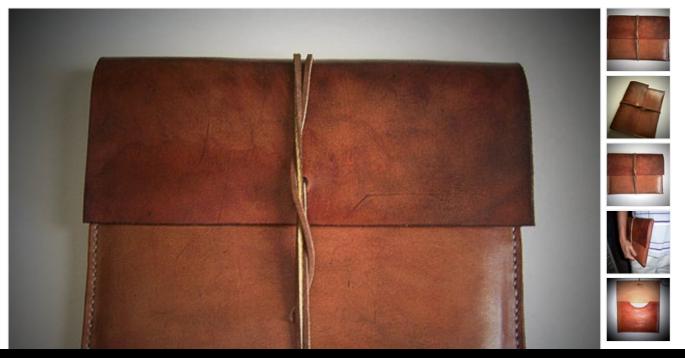


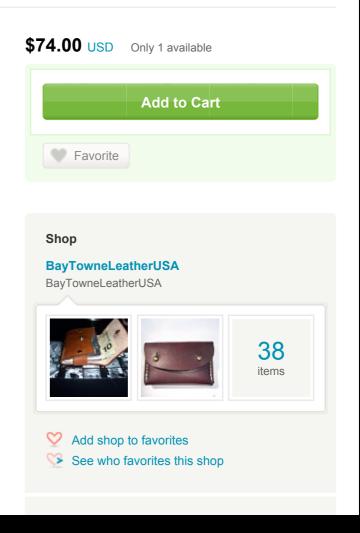
Buckled leather iPad sleeve ... LUSCIOUSL.. **\$99.00** USD

Home > BayTowneLeatherUSA > IPAD Cases



Leather Ipad Sleeve/ Case/ Envelope/ Folio for IPAD 2 or 3. Full **Grain Veg Tan Leather. Handmade by BayTowneLeatherUSA.**







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Home > AHeirloom > About



Custom Request 1

Extra Heart or Star 1

Country Cutting Board 5

Island.Districts 4

Skewers 2

Engraving 3

Ball Park Series 4

Shop Owner



Amy Stringer-Mowat

Brooklyn, New York, **United States**

Contact

Favorites

Circles: 269

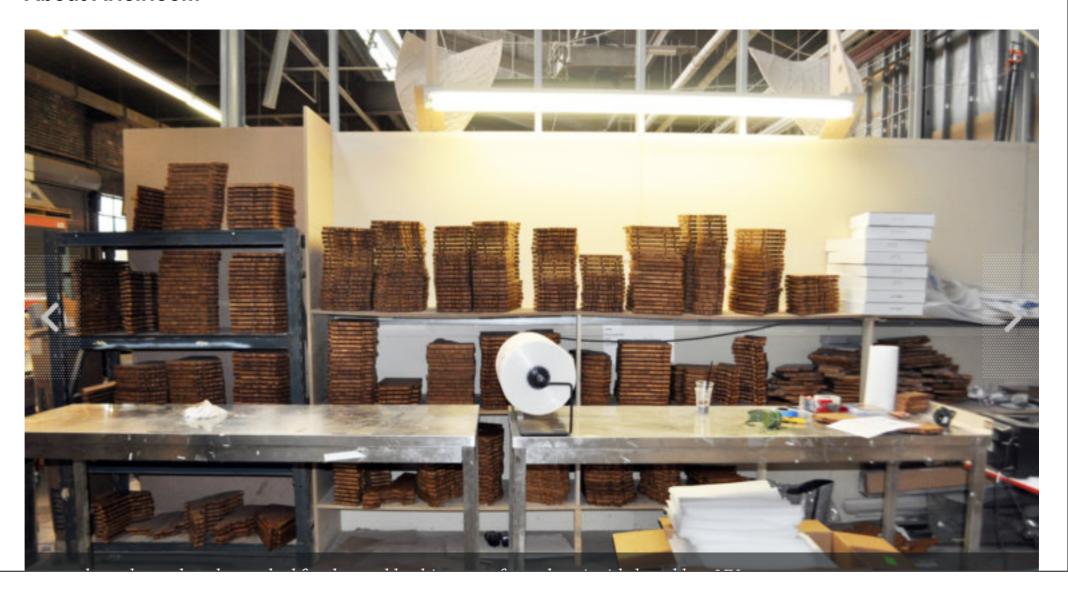


AHeirloom

Making it digital and heartwarming since 2010



About AHeirloom





Brooklyn, New York, **United States**

Contact

Favorites

Circles: 269

Feedback: 2208, 100% pos.

Shop Info

T AHeirloom

Opened on Oct 14, 2009

About

Policies

Request custom item

16817 sales

5182 admirers

Actions



Add to favorites



See who favorites this



Report this shop to Etsy



• • • •

Accidental Entrepreneurship...

Brooklyn based husband and wife, Amy Stringer-Mowat and Bill Mowat, made their first cutting boards for their own wedding. It is rumored that the groom was actually finishing the boards on the day of the wedding... The two wanted a personalized and sentimental way to display cheese, and came up with state-shaped cutting boards for each of their home states (Michigan and Connecticut), with hearts on their hometowns. Delightfully, other people wanted the boards and they are now made for all fifty states. Each board is made in the USA of bamboo. AHeirloom listed their original state shaped cutting boards on Etsy in May of 2010.

Our Background

Amy and Bill met at Amy's birthday party when both were getting their Masters in Architecture at Columbia University. Bill walked by, wished Amy a simple and sweet "Happy Birthday," and the two have been collaborating off and on ever since.



William Henry Mowat III Owner, Maker, Designer

William Henry Mowat III aka 'Bill' is the man behind those nice. borderlines and the smooth finish. His years of experience with fabrication helps to speed the process along and keep the boards moving down the line. A modern day Henry Ford.



Henry Winslo...

Oui background

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Amy Stringer-...

... Henry Winslo...

The love of food, design and housewares began with Amy's work at Zingerman's Delicatessen in the mid 90's and also with Monmouth Coffee Company, in London England. Merging these interests with Bill's background in design, his years of experience with project management and skill at fabrication, have made for a good combination on their latest venture.

Today, Amy manages the AHeirloom family business and takes care of the firm's newest member, Henry, born in September of 2011. Bill handles the production of their orders and is a partner in a successful fabrication shop in Williamsburgh, Brooklyn.

Our philosophy

AHeirloom believe in their small business and manufacturing in the United States. The pieces are designed to be cherished and passed down -- to engage those who use them and resonate with each use. Their quality comes not only from the design and materials, but from Amy and Bill's belief in new manufacturing techniques. Whether things are made by hand or by machine, they can be timeless -- like these cutting boards, which serve as reminders of where you came

fabrication shop in Williamsburgh, Brooklyn.

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Featured listings from AHeirloom













fharris...



Sort by: Relevance -



= =

Shopping

About 122,000 results (0.27 seconds)



Why these products?

Web

Images

Maps

Videos

News

Shopping

More

Show only

In stock nearby Free shipping

New items

Any category

Scarves & Shawls Beanies Yam

Knitting

Knitting & Crocheting Patterns

More

Any price

Up to \$20 \$20 - \$35Over \$35

to



Your location: Brooklyn, NY 11217 - Change



Long rectangular hand knit scarf in ivory. Thread detail throughout. Approx. 76" x 11".



The original buckled wrap scarf! Alpaca super chunky scarf is made of alpaca wool, super soft with a dark brown leather buckle, wraps around ...

hand knit scarf BRAID in royal blue yarn with tassels

This scarf is a real braid!!! It's hand knitted and finished with a couple of big tassels. It's very soft and warm, a great accesory to cheer fall ...

SALE Hand Knit Scarf Wrap in Blue, Violet and Purple - Geode

Originally \$60. With color changes inspired by nature, every geode is unique. And this one-of-akind scarf wrap is no exception. Blues blend into ...

Hand Knit Scarf Woman 's Gold Brown Long Lacy Open Weave Fashion

This scarf is hand knit with 100% acrylic yarn which makes it soft and durable. The open weave drop stitch design makes it a fashion statement ...

\$220.00

\$725.00

Free shipping

ssense.com

\$237.95 with est. tax & shipping Etsy - EandAHeritage

\$60.00

\$78.00 with est. tax & shipping Etsy - Seller

\$50.00

\$57.00 with est, tax & shipping Etsy - foxygknits



Etsy - KittysKorner





Go









Search for items and shops

Search



Items Add New Item Listings Sections Shipping Orders Sold Orders Shop Payment Account Shop Stats Cases BIII Your Bill Make a Payment Billing Info **Shop Settings** Info & Appearance Shipping & Payment Options Promote

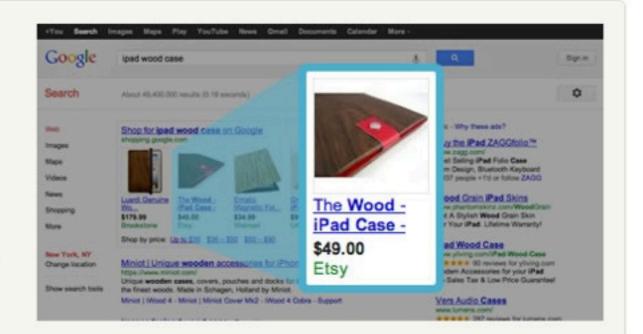
Google Product Listing Ads

What are Google Product Listing Ads?

Product Listing Ads appear in Google search results and Google Shopping. These ads feature product information, such as product image and price.

For the remainder of 2012, Etsy will purchase these ads free of charge for English-language listings that ship to the U.S.

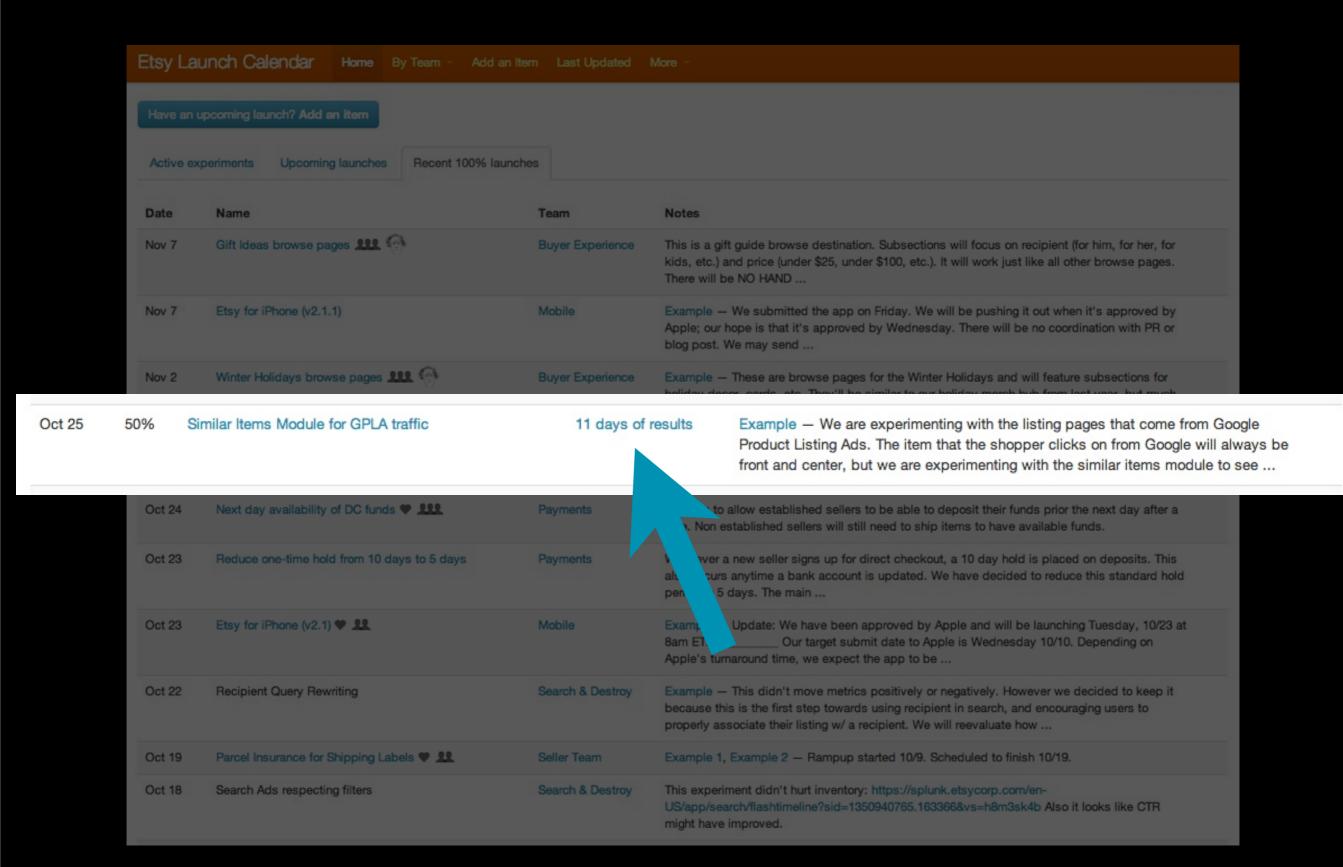
Traffic from these ads are reported in Shop Stats. Visits to listing pages from ads may include similar items from other shops. Learn more.



- Enabled Your shop receives Google Product Listing Ads free of charge.
- Disabled Your shop does not receive Google Product Listing Ads.

Save

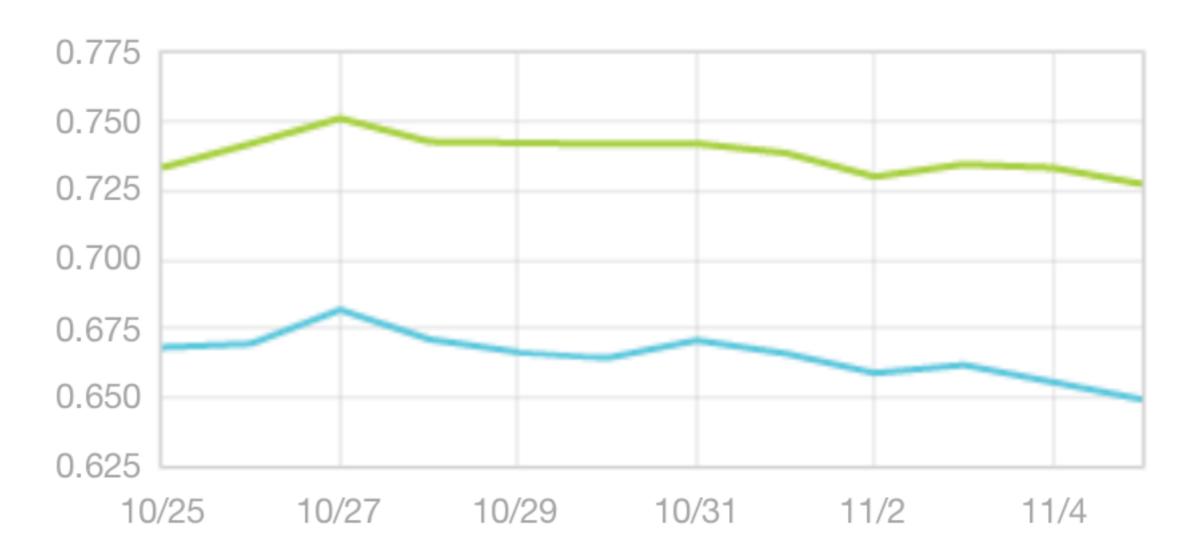
```
// owner: gfodor
$server_config['new_config']['similar_items_sash'] = array(
    'enabled' => 50,
);
```



Hypothesis Showing more items will aecrease bounce rate

site – bounces





And there's more...

Listing Page Experiment Results

- listing page views (++)
- searches (++)
- home page views (+)
- checkouts (+)!
- * affect on that listing you landed on (?)

Listing Page Experiment Next Steps

- we do more analysis
- we try more variants
- we think about how to expand
- we invest more resources

Exigence of the second akeaways

Make it easy to deploy. Invest in tooling.

Validate ideas with quantitative & qualitative data early and often.

Allow for time to react and iterate based on what you learn.

Questions?

Learn more etsy.com/careers github.com/etsy

Frank Harris
frank@etsy.com
@hirefrank

Nellwyn Thomas nellwyn@etsy.com @nellwyn