

Pressman, Chapter 12 (parts)
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- how to create navigation bars for finding relevant content...
- how to create a shopping cart that supports check out...
- how to make e-commerce sites where people return & buy...
- etc.



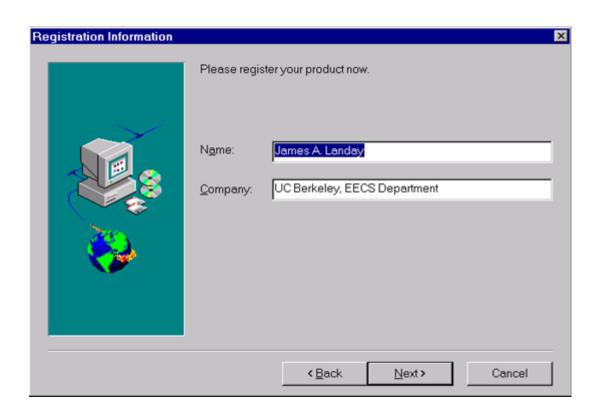
- Site genres
- Navigational framework
- 📤 Home page
- Content management
- Trust and credibility
- Basic ecommerce

- Advanced ecommerce
- Completing tasks
- Page layouts
- 🕕 Search
- Page-level navigation
- Speed

[van Duyne et al.]



- Problem: help people complete highly specific stepwise tasks
- Desktop Solution:





Process Funnel (H1): Web Solution





Process Funnel (H1): Problems

- How much longer?
- Why ads & nav bars?
- extra help?





- Problem: How much longer?
- Solution: Progress bars







WELCOME ADDRESS

ITEN

WRAF

SHIP

PAY

CONFIRM

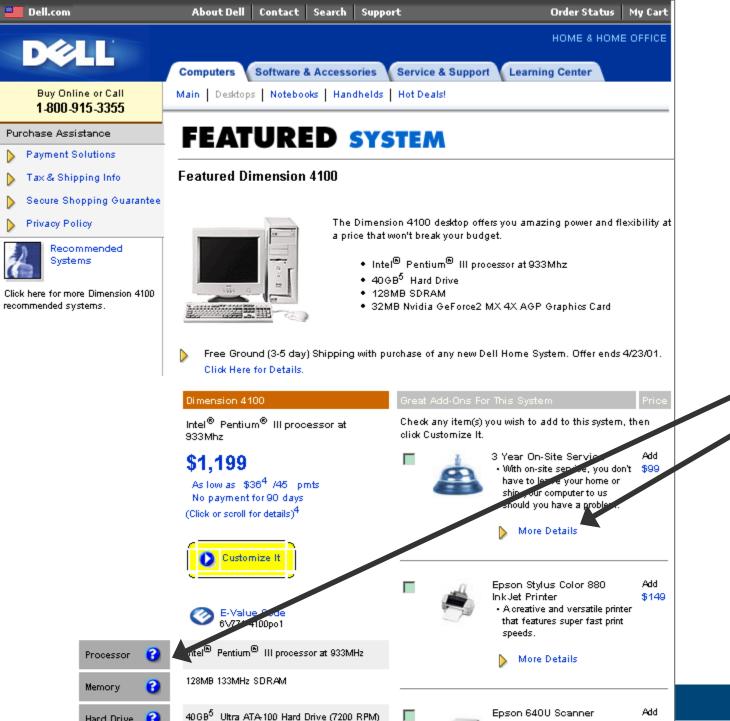


- Problem: Why ads & nav bars?
- Solution: Remove them, present minimal interface

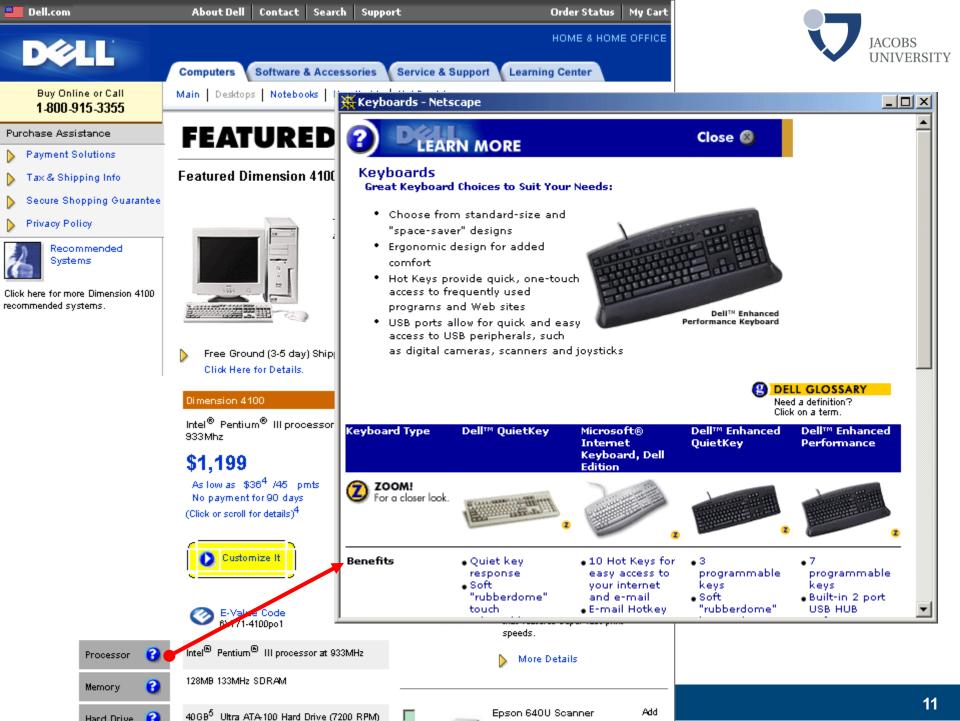
- New problem: What site?
- Solution: Keep logo, layout, colors



- Problem
 - What if users need extra help?
- Solution
 - Use pop-up windows because we want to keep people in the funnel

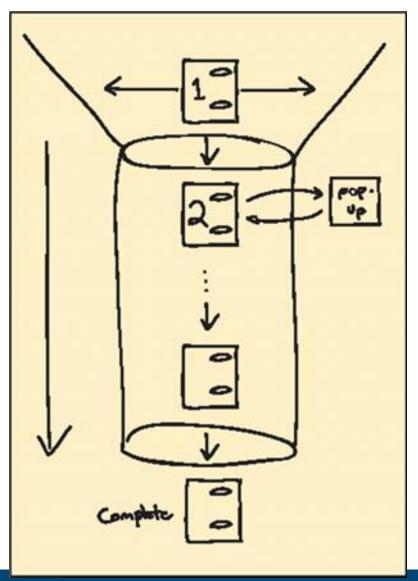






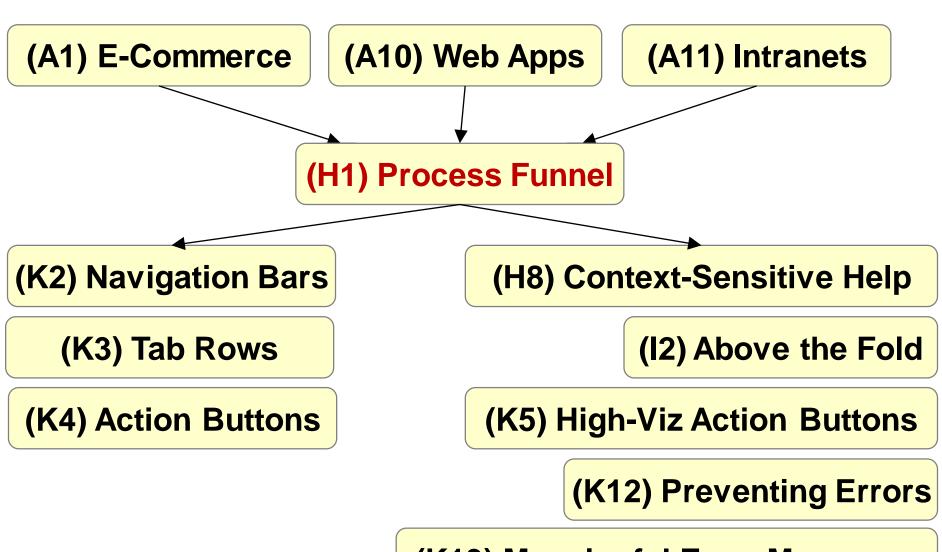


Solution Diagram: Process Funnel (H1)





Related Patterns: Process Funnel (H1)



320312 Software Engineering (P. Baumann)

(K13) Meaningful Error Messages



Meaningful Error Messages (K13)

Problem

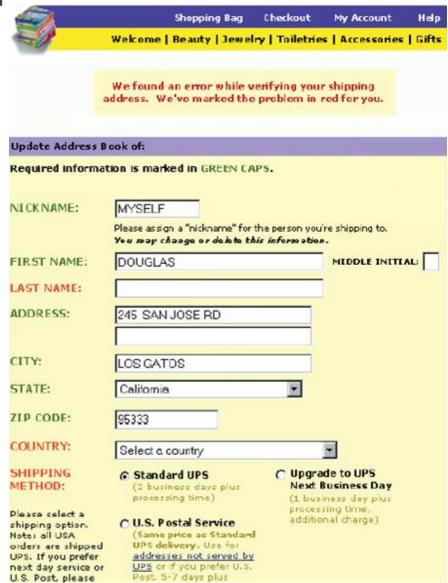
 When customers make mistakes, they need to be informed of the problem and how to recover

Solution

- Clear statement of problem
- Explain how to recover
- Position near the problem



Good? Bad?









Buy Online or Call 1-800-761-3355

Purchase Assistance

- Security & Privacy.
- Limited Warranty

WELCOME TO CHECKOUT



*- Indicates Required Fields



Please address the 2 item(s) indicated on this page.

OR

To continue with checkout, please sign in or create an account. Your account will enable you to retrieve your order status online and benefit from pre-filled forms on your next purchase.

Sign In

Already have an account? Sign in here.

* Email Address

johndoe@johndoe.com

Password

Forgot Password?

Sign In.

Create An Account

Complete these fields to create a new account.

* First Name

* Last Name

Doe

John

* Email Address

johndoe@johndoe.com

Confirm Email Address

johndoe@johndoe.com

Yes, send me exclusive Dell offers and specials by email. (You can unsubscribe at any time)

No Password. Please enter your password.

Password Confirmation is missing or unrecognizable.

* Create Password

Password must be at least four characters in length.

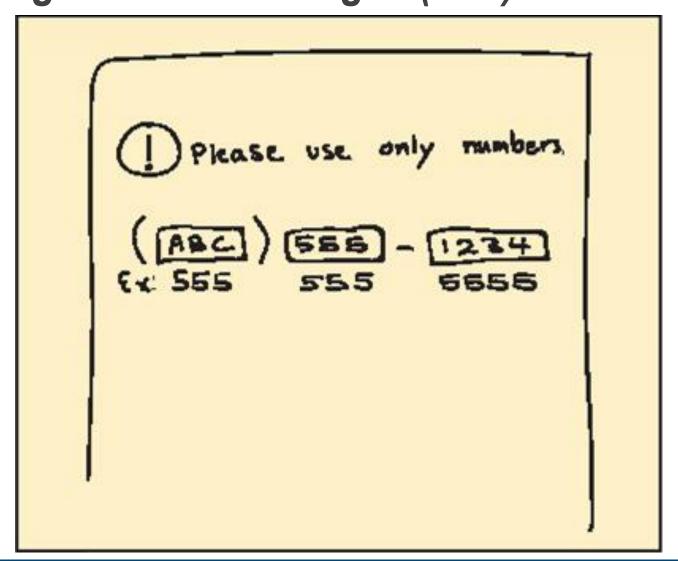
Password Confirmation is missing or unrecognizable.

* Confirm Password

Sign In

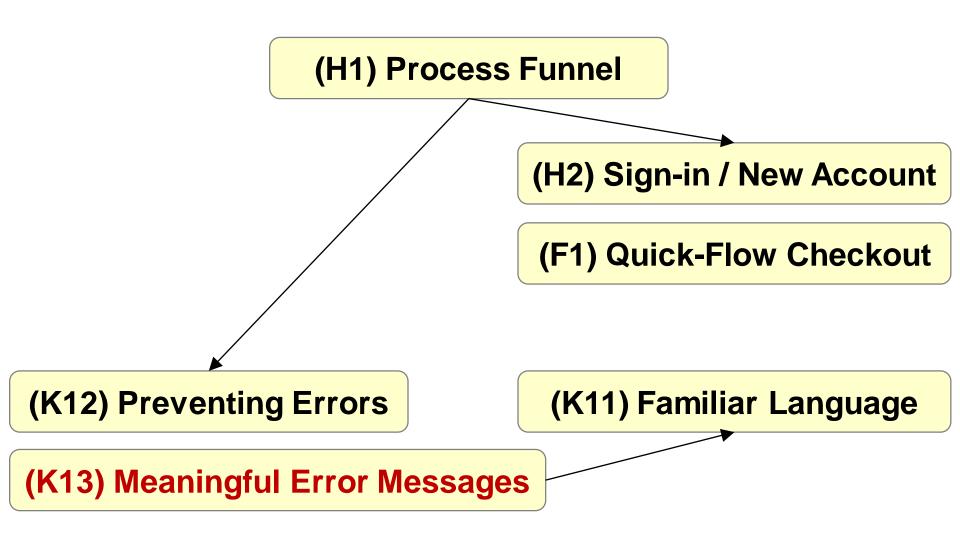








Related Patterns: Error Msgs (K13)





"What am I Searching For?"



<u>NEWS</u>

- CENSUS 2000
- POWER CRISIS

COMMUNITY NEWS

BUSINESS

PERSONAL TECH

SPORTS

News

Bay Area contends to host '12 Olympics

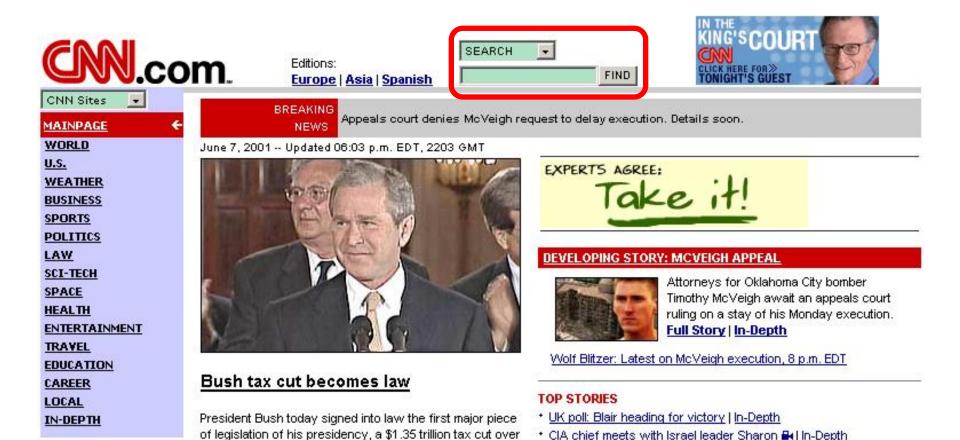
SAN FRANCISCO -- All those concerns about traffic congestion and financing no longer darken the possibility of the Bay Area



NEW! Car dealer print ads now online — check them out! <u>Click</u> <u>here</u> or go to cars.com and select This Week's Dealer Specials.



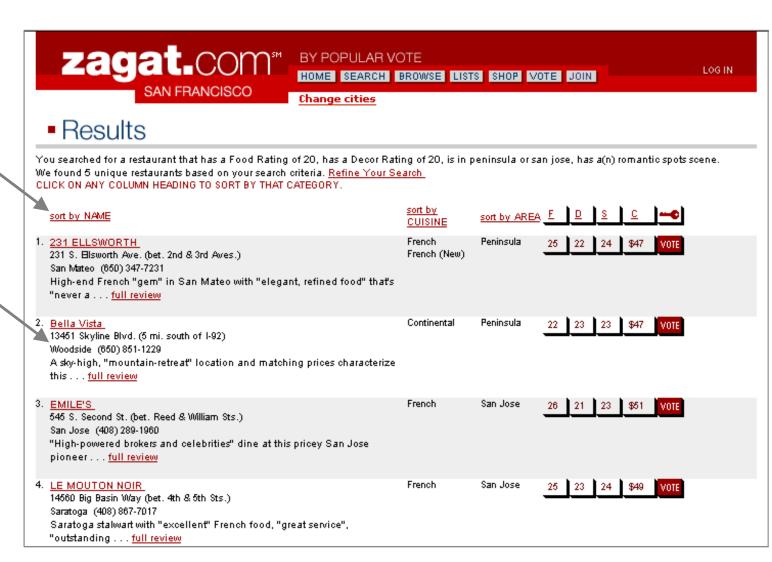
"What am I Searching For?"





The search results here can be sorted in many ways, including food, cuisine, and area.

The search results also provide good information, including the restaurant's address, the phone number, and part of the review





Only the most relevant search results are shown.

Also, the search results are divided up into different logical categories, making it easier to find what you are looking for.

Top Search Results from Amazon.com for maria callas



Classical Music.: See all 151 results in Classical Music...

- Callas La Divina -- Giacomo Puccini(Composer), et al; Audio CD
- Callas La Divina Complete -- Giacomo Puccini(Composer), et al; Audio CD
- Verdi: Aida /De Fabritiis, Callas, Del Monaco, Taddei, et al -- Giuseppe Verdi(Composer), et al; Audio CD

Books: See all 58 results in Books...

- Maria: Callas Remembered -- Nadia Stancioff; Paperback
- The Autobiography of Maria Callas: A Novel -- Alma Halbert Bond, Frank Eckmair (Illustrator); Paperback
- Maria Callas: Sacred Monster -- Stelios Galatopoulos; Hardcover

Video: <u>See all 9 results in Video...</u>

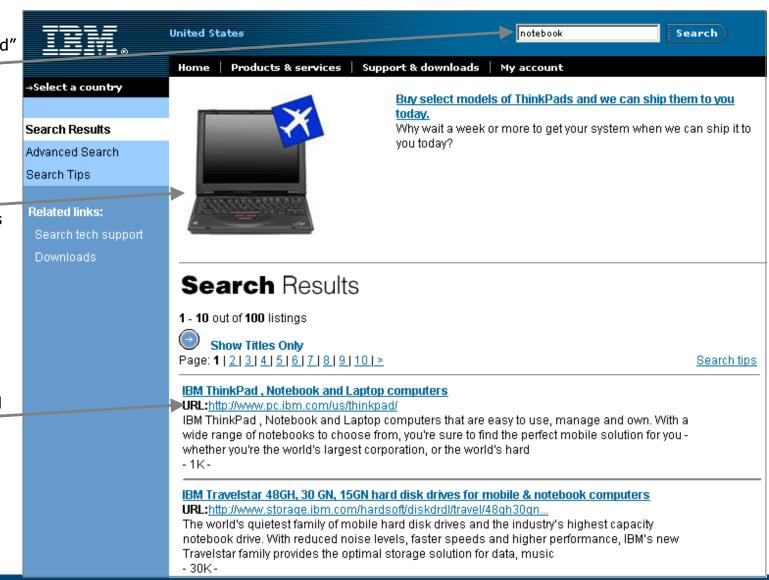
- Medea -- Pier Paolo Pasolini(Director), et al; VHS Tape
- Maria Callas The Paris Debut -- Maria Callas(Primary Contributor); VHS Tape
- Wise Cracks -- Gail Singer(Director), et al; VHS Tape



Is it a "notebook," a "laptop," or a "ThinkPad" computer? On IBM's — website, it doesn't matter, they all work correctly!

Also, a special search = result appears that lets people get to the right page quicker.

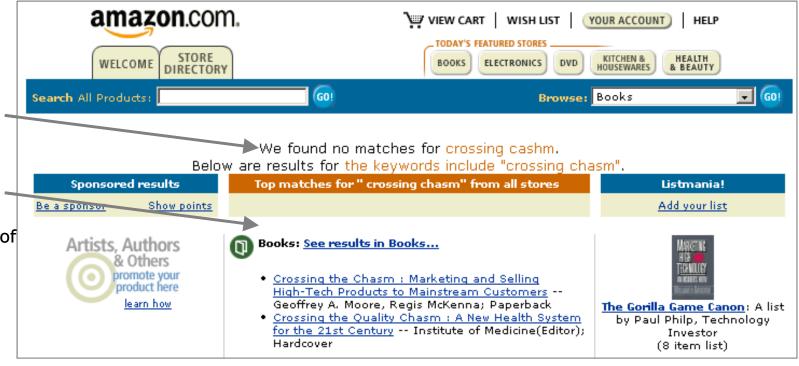
These are the standard search results.





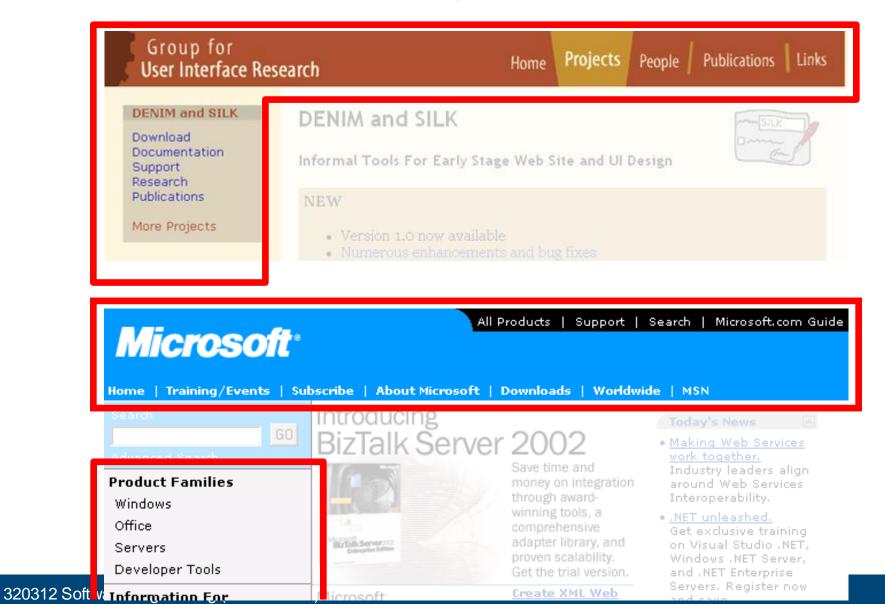
States that it couldn't find any results.

Does the next search, what a person would do anyway, instead of presenting "No results."

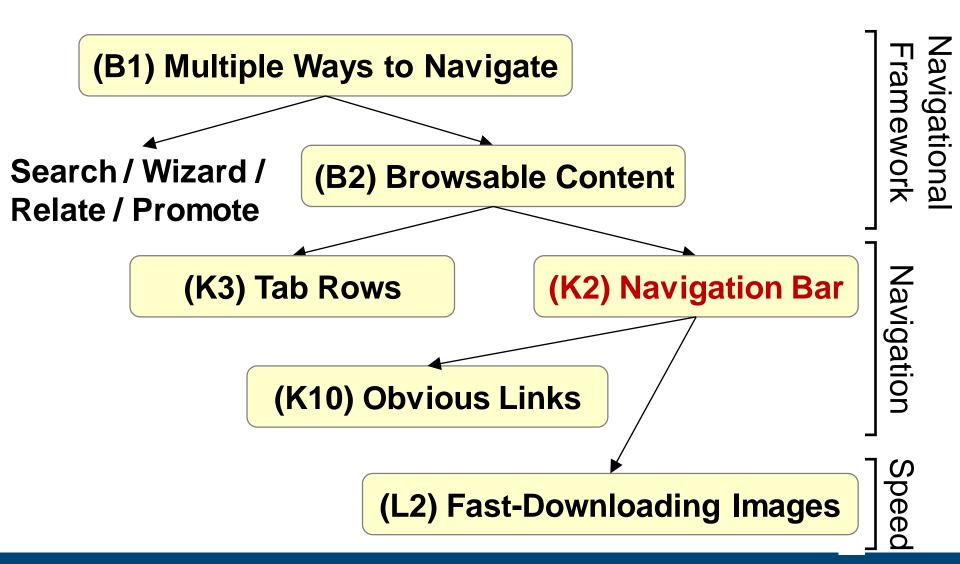




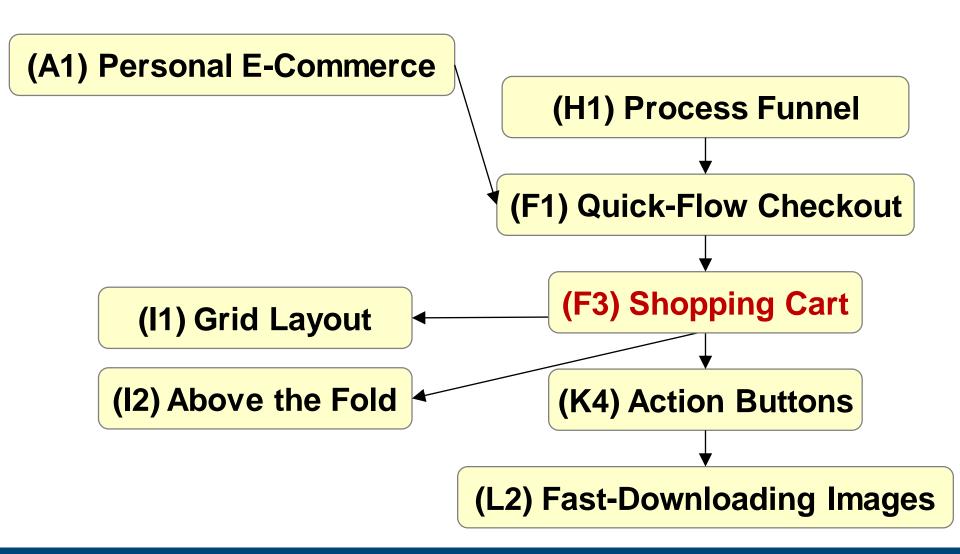
Pattern Examples: Navigation Bar













Summary

- Lots of issues involved in designing web sites
- Design patterns one way of capturing good design knowledge