

VEEBIRAKENDUSTE LOOMINE

MTAT.03.230 (6 EAP)

15. Loeng

Helle Hein



Web Usability

Veebi kasutatavus

Mis on veebi kasutatavus?

Kasutatavus tähendab asjade disainimist, mida tavaline inimene on võimeline kasutama selleks ette nähtud eesmärgil.

Veebisaitide korral on olulised kaks faktorit:

- Sait teeb mulle selgeks, et ta sisaldab asju (informatsiooni või funktsionaalsust), millel on mulle väärtus.
- Ma saan need asjad kätte ja saan neid kasutada, ilma et see teeks mulle rohkem peavalu kui asi on väärt.

Mis on veebi kasutatavus?

Kasutatavus on kvaliteedinäitaja, mis hindab kui kerge on kasutajaliidest kasutada.

Kasutatavus defineeritakse kuue kvaliteedikomponendi abil:

- Funktsionaalne korrektsus
- Õpitavus
- Efektiivsus
- Meeldejäävus
- Vead
- Rahulolu

Miks on veebi kasutatavus tähtis?

- Ärisuhtlemine
- Info jagamine
- Halvasti kasutatav veeb võib vähendada firma kasumit
- ...

Kasutatavus – 4 printsiipi

1. Veebisait peab olema lihtsalt navigeeritav
2. Info peab olema kiirelt allalaetav
3. Info peab olema kiiresti kättesaadav
4. Kasutajatele ei tohi peale panna piiranguid

Probleemid seoses veebi kasutatavusega

Inimtajaju probleemid

https://www.lhv.ee/funds/info_group.cfm?group=2

SEB Fund 1 – SEB Choice Japan Chance/Risk Fund	EUR	0.3478	0.60%	-0.83%	-28.05%	-19.58%	-7.76%
SEB Fund 1 – SEB Choice Japan Fund	EUR	0.3452	0.62%	-1.96%	-17.53%	-20.06%	-8.20%
SEB Fund 2 – SEB Choice Asia ex Japan	EUR	3.8095	1.31%	19.14%	-27.33%	-9.72%	1.65%
SEB Fund 2 - SEB Choice Asia Small Caps ex Japan Fund	EUR	1.9770	1.56%	28.72%	-33.16%	-	-

Arenevad turud

JPM Emerging Markets Equity A (acc)	EUR	7.98	1.92%	17.01%	-33.72%	-	-
East Capital Baltic Fund	SEK	29.50	-1.24%	-7.84%	-54.63%	-22.00%	-5.42%
East Capital Russian Fund	SEK	715.00	2.82%	33.56%	-51.31%	-18.35%	4.74%
East Capital Balkan Fund	SEK	11.48	0.26%	0.97%	-49.65%	-19.36%	-
East Capital Eastern European Fund	SEK	23.84	1.79%	20.71%	-45.97%	-17.68%	6.59%
East Capital Turkey Fund	SEK	5.42	0.56%	14.59%	-23.23%	-19.32%	-
Trigon Kesk- ja Ida-Euroopa Fond	EEK	96.7400	1.03%	-3.86%	-56.51%	-26.81%	-7.95%
Trigon Uues Euroopa Väärtusfond C osak	EUR	10.1340	-	-	-	-	-
Trigon Teise Laine Fond	EEK	79.9500	0.34%	-6.07%	-64.36%	-23.95%	-

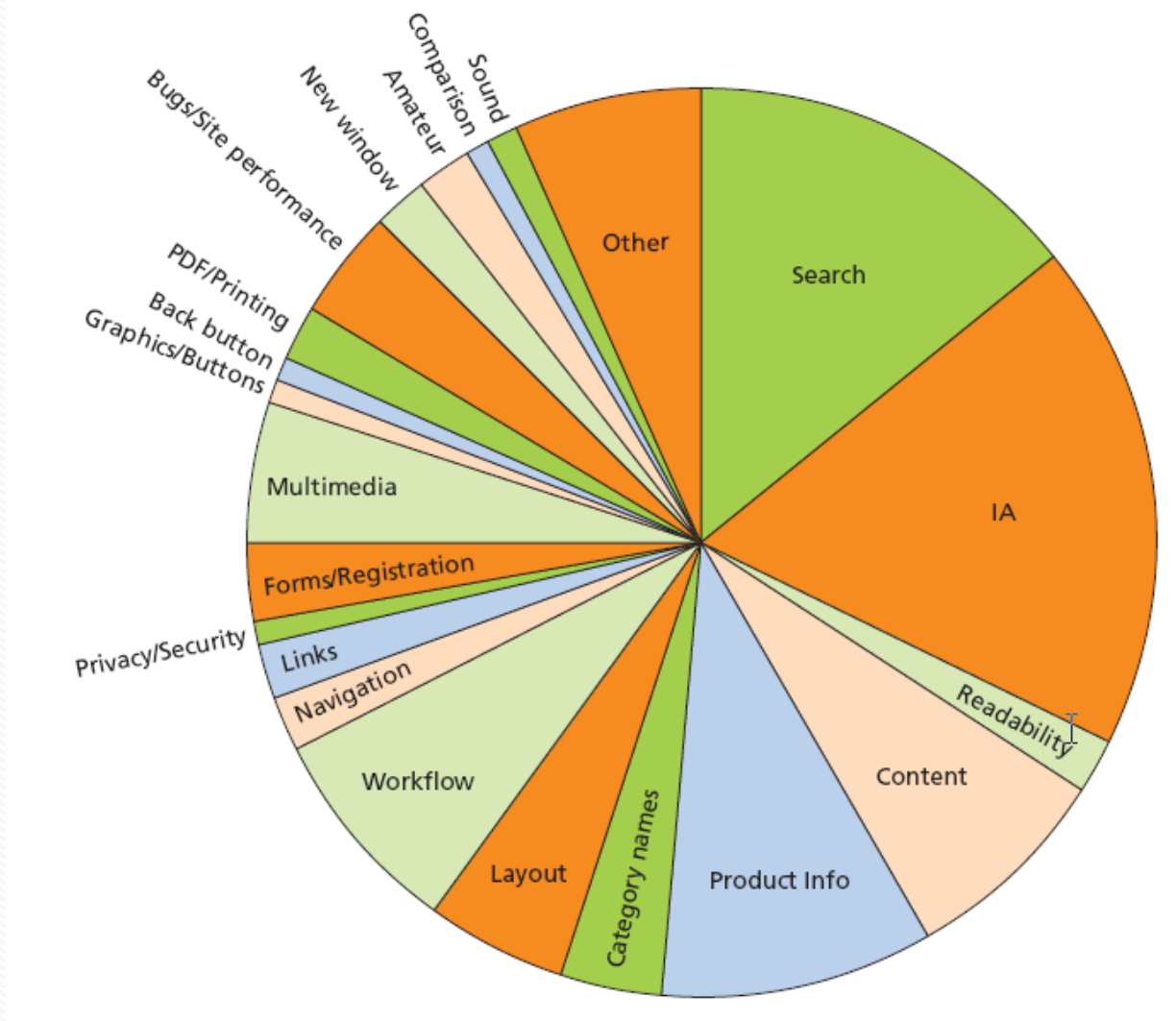
Probleemid seoses veebi kasutatavusega

- Navigeerimine

Kasutatavuse uuring:

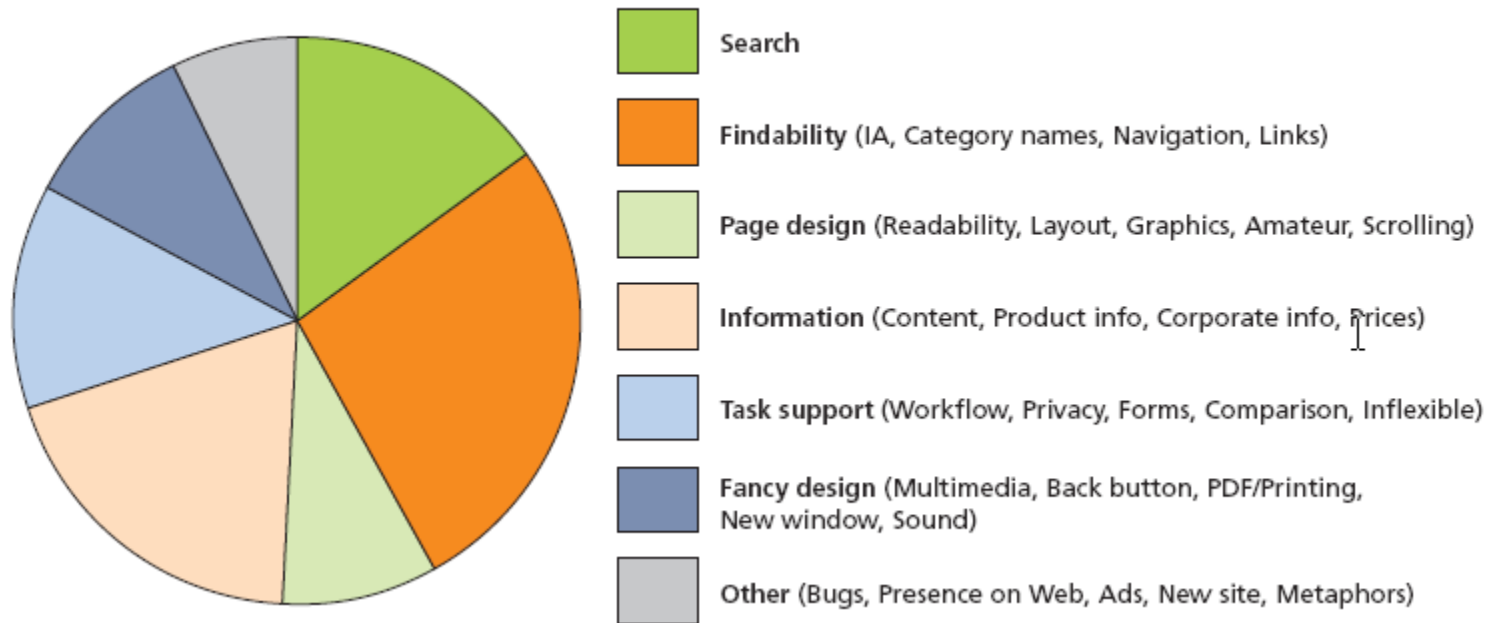
Kasutajad veedavad keskmiselt 1 min 49 sek. veebisaidil enne kui otsustavad edasi liikuda

Uurimus: miks veebi kasutamise ebaõnnestub?



Jakob Nielsen and Hoa Loranger

Uurimus: miks veebi kasutamine ebaõnnestub?



Suuremad kategooriad

Jakob Nielsen and Hoa Loranger

WEB DESIGN FUNNIES

Today's episode: "Religious Debates"

featuring...

Caroline makes a suggestion...

Kim the Project Manager

Rick from Marketing

Bob the Developer

Caroline the Designer

We could use a pull-down menu for the product list.

I hate pull-downs.

People don't like pull-downs. My father won't even go near a site if it uses pull-downs.

Well, I don't think most people mind them. And they'd save us a lot of space.

Besides, have you got a better idea?

Steve Krug



featuring...

Kim the
Project
Manager.

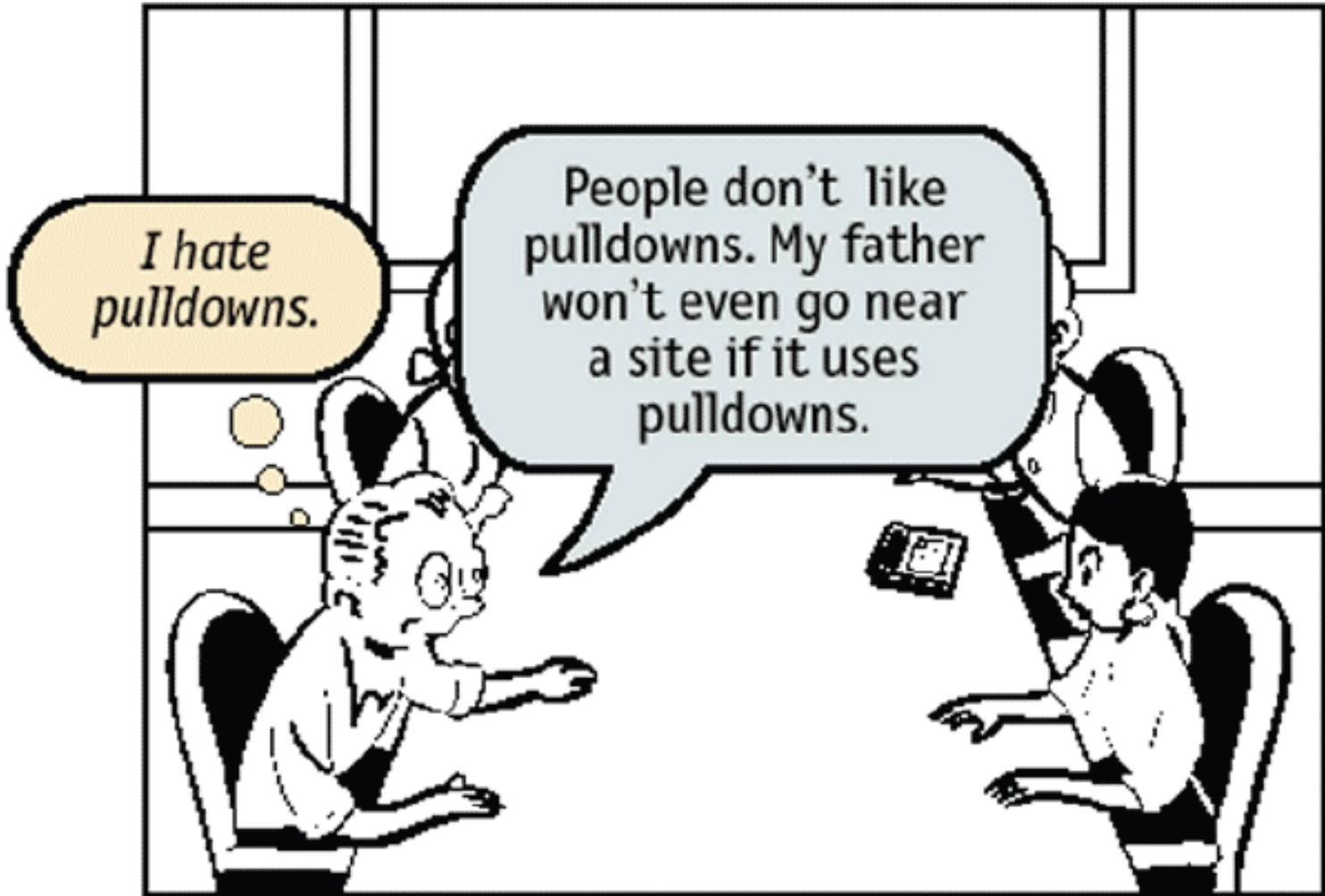
Bob the
Developer

Rick from
Marketing

Caroline the
Designer

Caroline makes a suggestion...





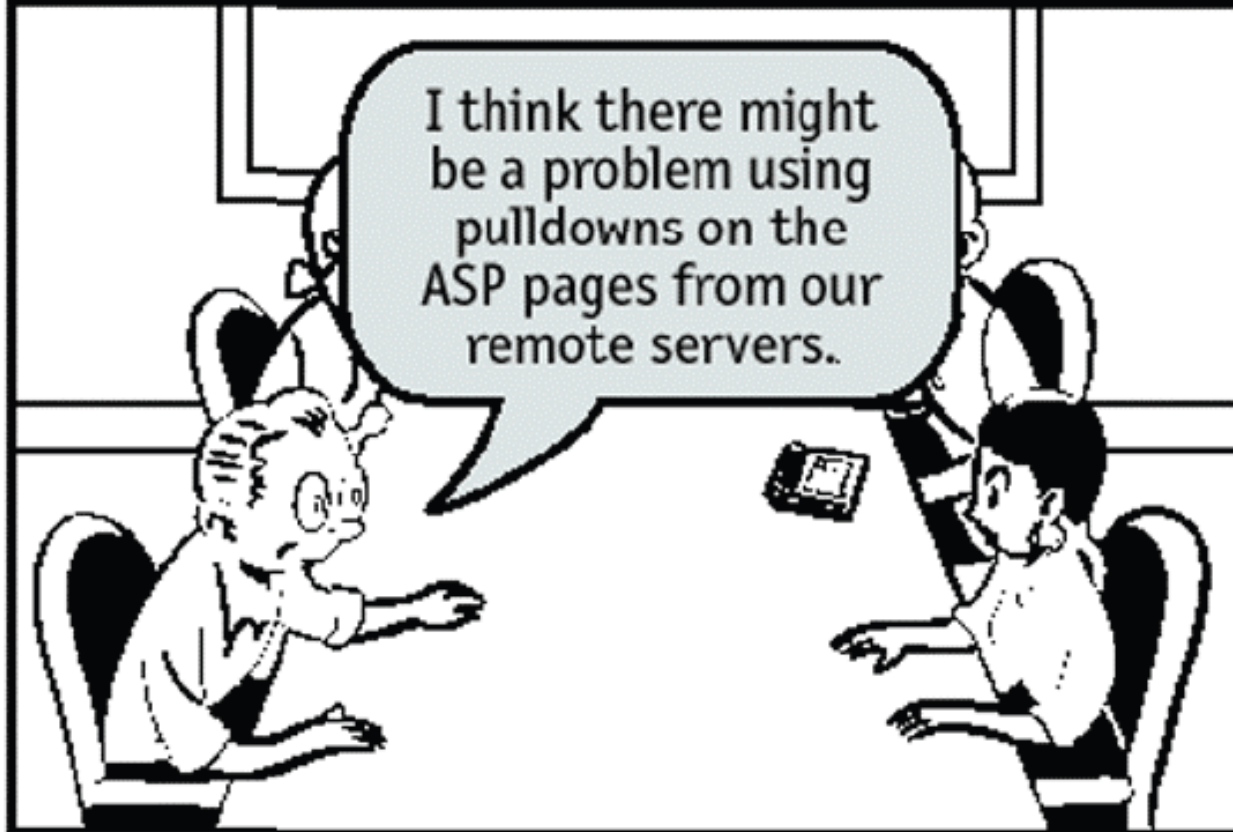


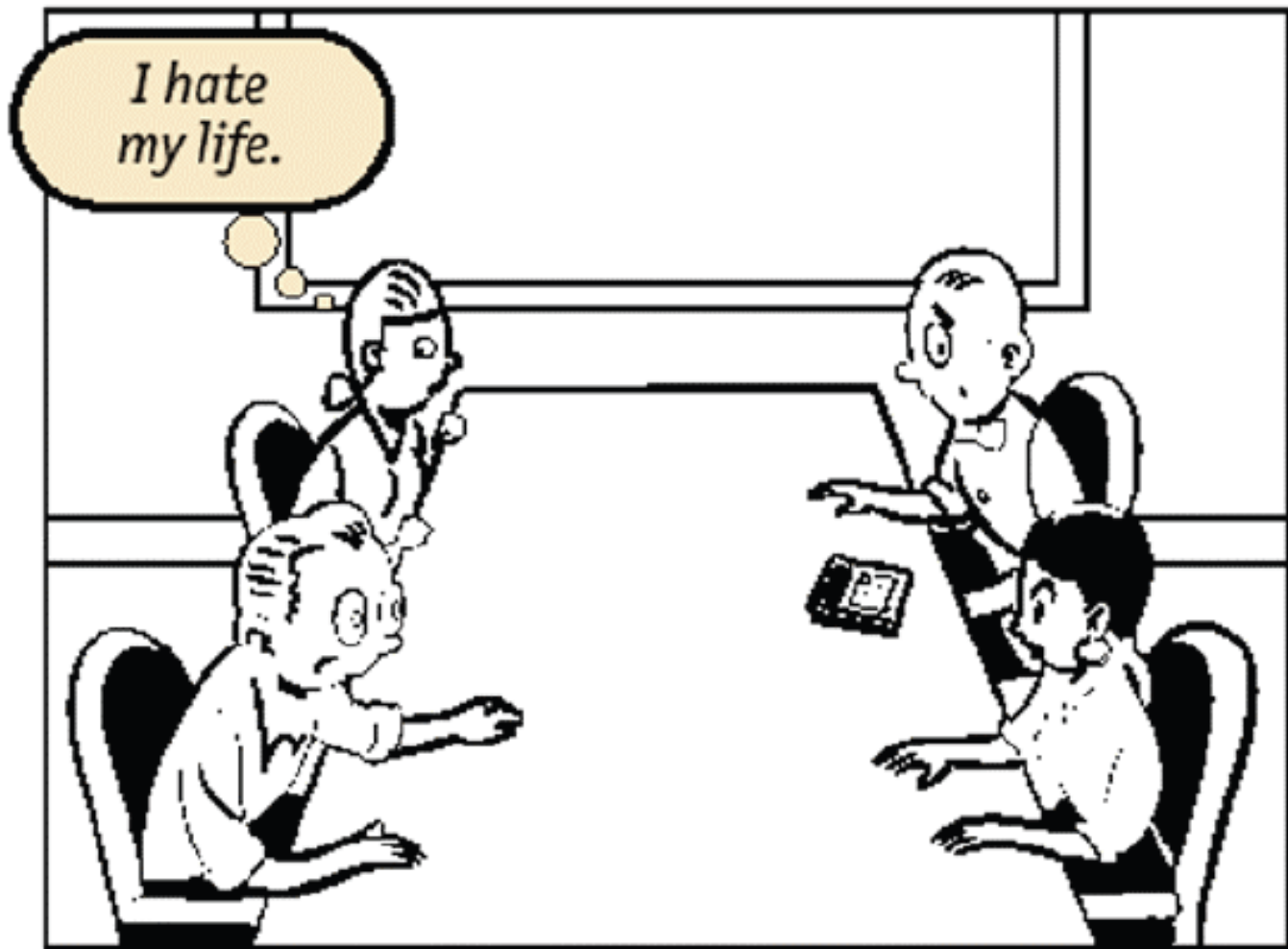
Well, I don't think *most* people mind them. And they'd save us a lot of space.

Besides, have you got a better idea?

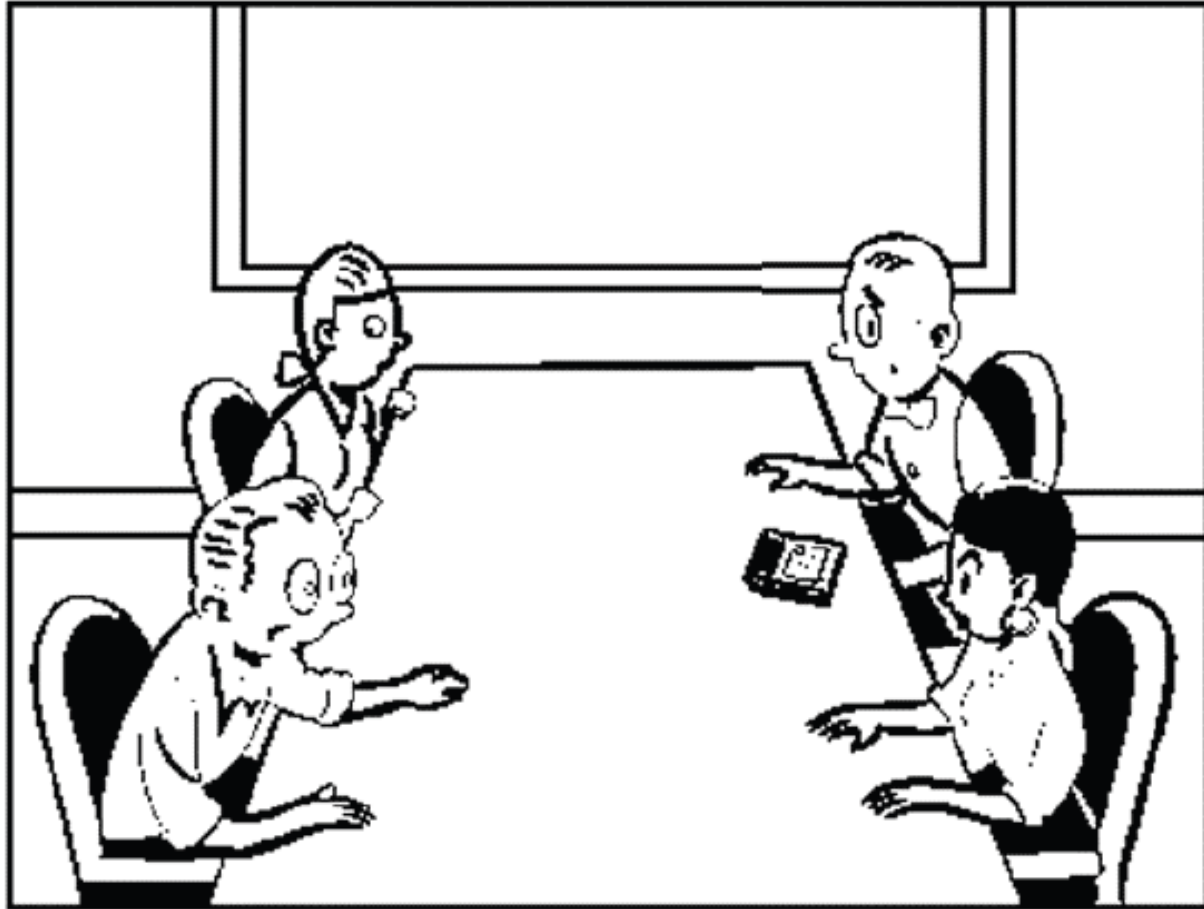


...but Bob plays his developer's trump card









Two weeks later...



“My ideal home page,” as told by...



CEO

Registration

Follow these 2 quick steps for **FREE** stock tracking, analyst alerts, bank account tracking, and much more!

Already Registered? [Click here to sign in.](#)

Step 1: Create a Member ID and enter your email address and zip code.

Member ID (Use 4-40 letters, numbers, dashes and/or underscores. No spaces.)

Email Address

ZIP Code

YES, I would like to receive periodic financial updates and tips from Quicken.com via email. (I can unsubscribe later if I choose.)

Developer

“My ideal home page,” as told by...



Designer



Business development

Kasutaja käitumine – ootamatud aspektid testidest

- Kasutajad ei näe bannereid (banneripimedus).
- Vaateväli on tunneldatud (people develop tunnel vision).
- Kasutajad ei hängi veebilehel.
- Kasutajatel pole kannatlikkust.
- Kasutajad armastavad jälgi - F-pattern (People's gaze trails are manic).
- Kasutajad ei saa aru sellest, mida näevad (People don't take in what they look at).
- Kerimine pole probleem (People are happy to scroll).
- Kasutajad ei viitsi lugeda (People don't read).
- Kasutajad on harjumuste orjad (People are creatures of habit).
- Kasutajad võivad meelsasti läbida rohkem kui kolm taset (People are happy to click through more than 3 levels)

<http://www.webcredible.co.uk/user-friendly-resources/web-usability/>

Informatsiooni arhitektuur

- Kuidas organiseerida infot veebisaidil kasutaja seisukohalt
- Teha kindlaks kättesaadavad klassifitseerimissüsteemid info organiseerimiseks
- Kuidas esitada informatsiooni arhitektuuri veebisaidil
- Kuidas valida sobivaid märgiseid ja metafoore

Informatsiooni arhitektuur

Sisu väljaselgitamine on üks veebisaidi loomise etappe

Järgmine etapp: otsustada, **kuidas** seda infot organiseerida:

- info organiseerimine kasutaja seisukohalt
- kuidas infoklastreid veebisaidil esitada

Info organiseerimine kasutaja seisukohalt

- ❖ **Küsimus:** Kuidas otsustada organisatsioonilist struktuuri kasutajate gruppide jaoks, kes võivad eelistada erinevaid struktuure?

- ❖ **Küsimus:** Kas on vaja realiseerida kõikidele kasutajatele sobivad stiilid?

Info organiseerimine kasutaja seisukohalt

Tüüpiline konflikt: andmete organiseeritus firmasiseselt versus klientidele näitamiseks

Veebisaidi organiseerimiseks kasutaja seisukohalt on kasulik jaotada töö faasidesse:

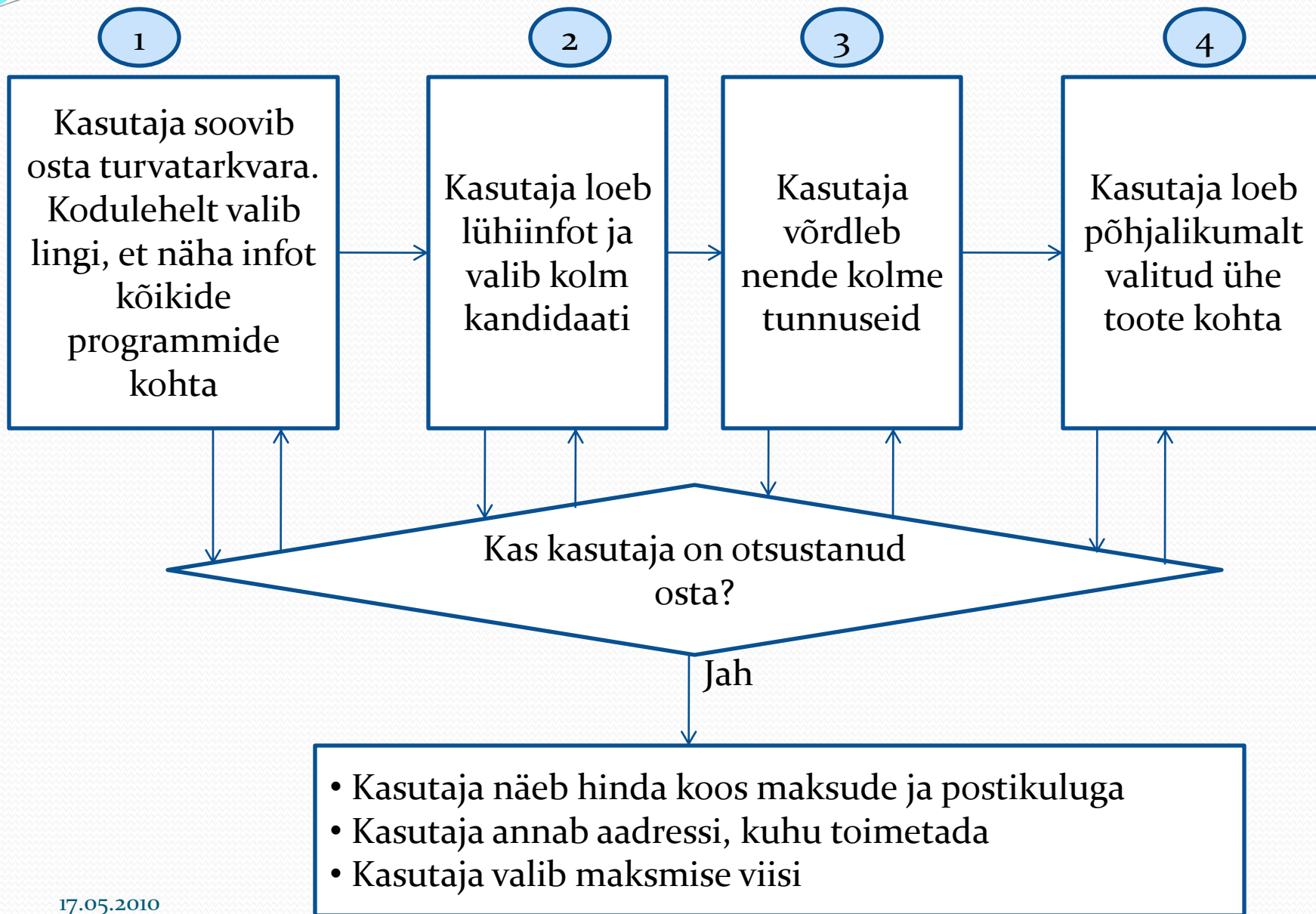
- ülesande analüüs, kasutades task-flow diagramme
- informatsiooni arhitektuuri analüüs, kasutades saidi diagramme või blokkkeeme

Küsimused

- Õige või vale? Peale sisu otsustamist võib alustada navigeerimise disainiga.
- Mis on tüüpiline konflikt info parima organiseerimise saavutamiseks saidil?

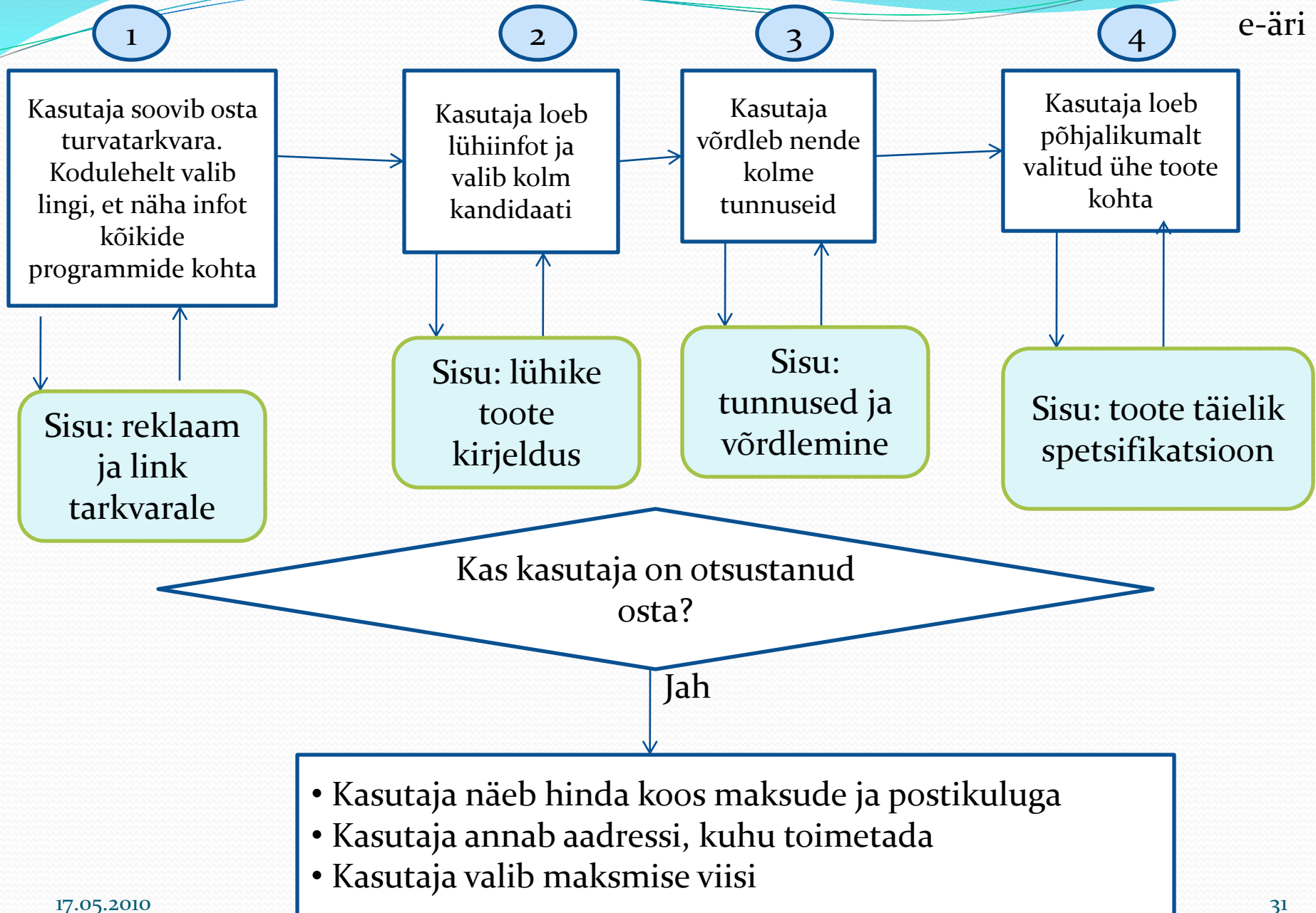
Ülesande analüüs

e-äri



Ülesande analüüs

e-äri



Informatsiooni arhitektuuri analüüs

Soovitus: Hea arhitektuur on iseselgitav. See võimaldab kasutajatel kergesti õppida süsteemi kasutama ja leidma infot, mida vaja

Organisatsiooni seisukohalt võib struktuure jagada kolmeks:

- täpsed süsteemid
- mittetäpsed süsteemid
- kombineeritud

Täpsed süsteemid

Täpsed reeglid, nt

- **tähestikuline järjestatus**

<http://whatis.techtarget.com/>

<http://www.vallaste.ee/>

<http://www.eok.ee/klubideregister/index.php?ac=spordialad>

<http://www.santamaria.ee/retseptid/euroopa>

- **arvuline järjestatus**

- **kronoloogiline järjestatus**

<http://www.vw.com/vwhype/vwevents/en/us/>

<http://www.eok.ee/olympiamangud>

<http://www.hot.ee/kergeraks/om/om.html>

- **geograafiline järjestatus**

<http://www.summerjobs.com/do/where>

Mittetäpsed süsteemid

Põhilised kriteeriumid

- teema

<http://www.president.ee/>

<http://www.osborne.com/> - antud juhul parem kui alfabeetiline või kronoloogiline järjestus

<http://www.apollo.ee/>

- ülesanne – verbid kannavad rohkem kui nimisõnad (share, upload, buy,...)

<http://www.ofoto.com/>

- kuulajaskond

<http://www.ut.ee/et/oppimine>

- metafoor

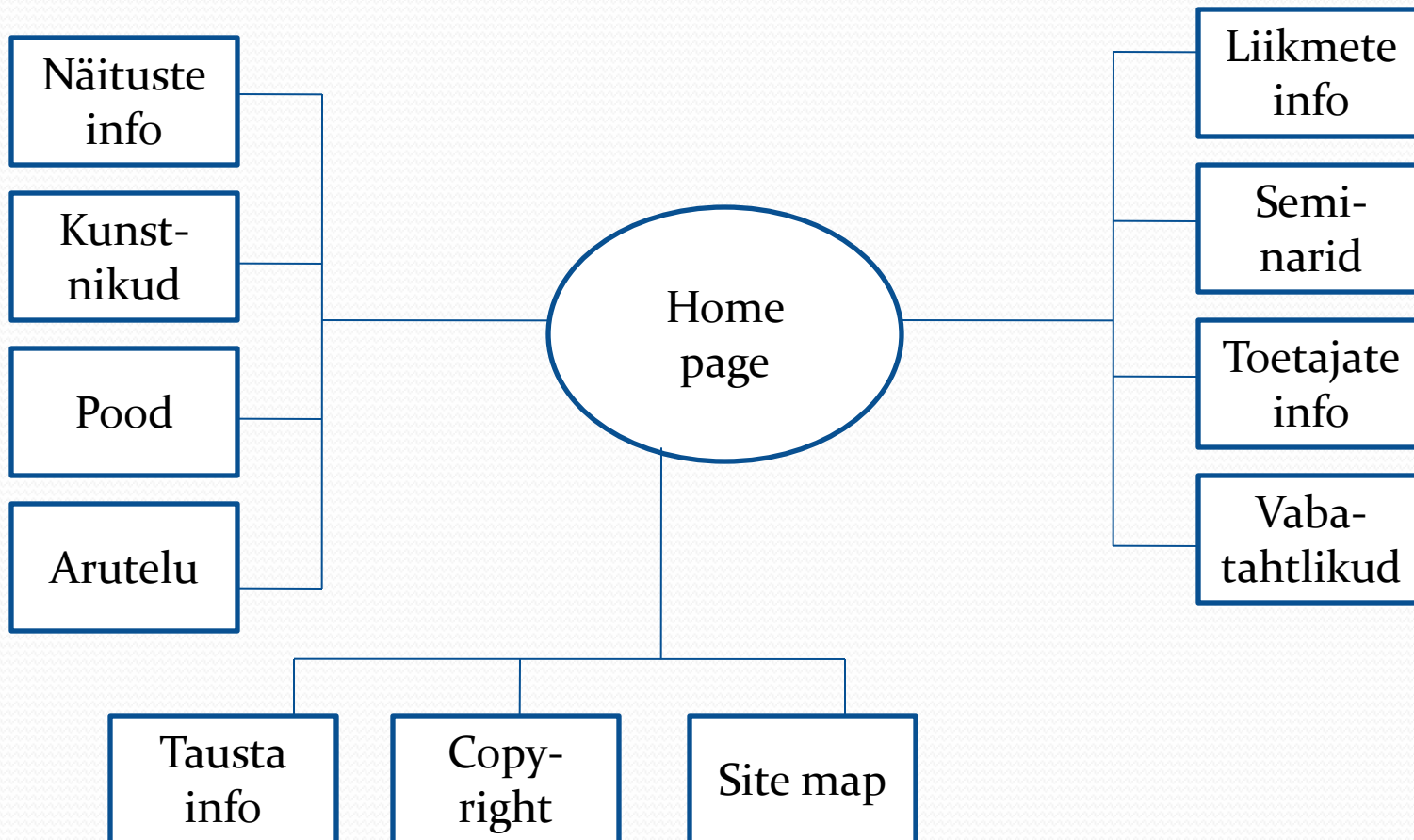
Täpsed süsteemid

❖ **Küsimus:** Kuidas otsustada, milline teemade hulk omab mõtet enamiku kasutajate jaoks?

❖ **Küsimus:** Kui on mitu mustrit, kas on vaja realiseerida need kõik?

Kombineeritud süsteemid

Saidi diagrammid



Kuidas esitada informatsiooni arhitektuuri saidil

Kolm faktorit:

- Sisusildid
- Kolme kliki reegel
- 7 ± 2 reegel

Kasutajakeskne disain

ISO 13407 järgi on kasutajakesksel projektil järgmised staadiumid:

- Nõuete kogumine
- Nõuete spetsifikatsioon
- Disain
- Evaluateerimine

Kasutajakeskne disain – 6 meetodit

Method	Cost (Low vs. high)	Output (Statistical vs. non-statistical)	Sample size (high vs. low)	When to use (i.e. project stage)
Focus groups	Low	Non-statistical	Low	Req. gathering
Usability testing	High	Both	Low	Design & evaluation
Card sorting	High	Statistical	High	Design
Participatory design	Low	Non-statistical	Low	Design
Questionnaires	Low	Statistical	High	Req. gathering & evaluation
Interviews	High	Non-statistical	Low	Req. gathering & evaluation

Kasutatavuse 10 printsiipi

1. Motivatsioon

Disaini sait kasutajate spetsiaalsete eesmärkide täitmiseks.

2. Kasutajate ülesannete vood

Kes on kasutajad? Mis ülesanded neil on?

3. Arhitektuur — 80% kasutatavusest

Ehita efektiivne navigeerimisstruktuur (3 klikki!).

4. Ühetähenduslikkus

Sildid, nupud,.. Peavad olema arusaadavad.

5. Korda

Kasuta malle

6. Tee kasutatavuse teste disaini varases staadiumis

7. Arvesta tehnoloogilisi piiranguid

8. Arvesta kasutaja (mitte)tolerantsusega

Kasutajad on kannatamatud. Disaini max 2–10 sekundit allalaadimiseks.

9. Multimeedia — ettevaatusega

10. Jälgi võrguliiklust

Navigeerimine

Raskused navigeerimisel:

- Orientatsiooni kaotus (Kuhu ma pean minema? Kus ma olen? ..)
- Info üleküllus (“muuseumi sündroom”)
- Kuidas jätta meelde infot, mis just leitud (järjehoidja - bookmark)

Navigeerimine

Peamised ülesanded:

- Jääda kindlaks info arhitektuurile
- Teha iga leht nagu HOME
- Kasutajasõbralikud navigeerimiselemendid
- Efektiivne navigeerimine mitmest sisendist
- Navigatsioonielementide kooskõla kogu saidi ulatuses



Navigeerimine - soovitud

Näidata kasutajale, kus ta on saidi kontekstis (“leivaraasukesed”)

Example:

The image shows a screenshot of a website with a navigation menu on the left and a main content area. The navigation menu is divided into sections: Personal, Corporate, and Merchants. The 'Personal' section includes links like Home, APPLY NOW, Online Statements, Login, Learn More, Billing/Payment Inquiry, Learn About the Card, Cardmember Benefits, Take Advantage of, Restaurant Savings Program, Special Promotions, Find it Fast, Merchant Locations, ATMs and Cash, More Card Options, Restaurant Savings Program Card, and Special Promotions. The 'Corporate' section includes links for Corporate and Merchants. The main content area is titled 'staffing' and 'training'. The 'training' section is highlighted with a green border and contains the text 'We Teach What We Do' and 'EFI Training reflects the skills we've practiced for over 30 years as communications support providers for corporations, associations, and government agencies. We offer hundreds of instructor-led courses from the best faculty in the business. Check out our [schedule of classes](#) for times and locations.' Below this text is a download button for the '2003 Winter/Spring Catalog in PDF Format'. A red box highlights the 'Personal' navigation menu, and a red arrow points from the text 'This box is used to designate the section of the website that is currently being viewed.' to it. Another red box highlights the 'training' section of the main content area, and a red arrow points from the text 'Color coding the pages and navigation menus provides effective feedback to the user about their location in the website.' to it.

Personal

- > Home
- > APPLY NOW
- Online Statements
- > Login
- > Learn More
- > Billing/Payment Inquiry
- Learn About the Card
- > Cardmember Benefits
- Take Advantage of
- > Restaurant Savings Program
- > Special Promotions
- Find it Fast
- > Merchant Locations
- > ATMs and Cash
- More Card Options
- > Restaurant Savings Program Card
- > Special Promotions

Corporate

Merchants

staffing

Welcome to ESI Communication's Staffing Services, the only temporary staffing company

training

We Teach What We Do

EFI Training reflects the skills we've practiced for over 30 years as communications support providers for corporations, associations, and government agencies. We offer hundreds of instructor-led courses from the best faculty in the business. Check out our [schedule of classes](#) for times and locations.

Download the 2003 Winter/Spring Catalog in PDF Format

Training Vouchers Are Now Available!

EFI training vouchers are a way to stretch your department's training budget; with them you can take any EEI course for only \$300 per day. [See details.](#)

New Course Refund Policy

If you're not completely satisfied with your course, we'll refund the same course for free (some conditions apply). [See details.](#)

Introduces Course Packs

Navigation Menu:

- home
- new media
- training
- staffing
- publications
- eei press!
- online training
- clients
- jobs
- order a temp
- applicants
- quote
- locations
- gsa schedule information

This box is used to designate the section of the website that is currently being viewed.

Color coding the pages and navigation menus provides effective feedback to the user about their location in the website.

Navigeerimine - soovitud

Kasutada klikitavat sisulisti pikkadel lehtedel

Example:

Contents
Abstract
Executive Summary
Introduction
Uses and Benefits of Technology Roadmapping
What is Technology Roadmapping?
What is a Technology Roadmap?
Types of Technology Roadmaps
Planning and Business Development Context for Technology Roadmapping
Knowledge and Skills Required for Technology Roadmapping
Technology Roadmapping Process

What is Technology Roadmapping?

Technology roadmapping is a needs-driven technology planning process to help select, and develop technology alternatives to satisfy a set of product needs. It involves bringing together a team of experts to develop a framework for organizing and presenting technology-planning information to make the appropriate technology investment to leverage those investments. (For an example of this teaming process at the see Garcia, Introduction to Technology Roadmapping: The Semiconductor Industry Association's Technology Roadmapping Process.)

Given a set of needs, the technology roadmapping process provides a way to organize, and present information, about the critical system requirements and performance targets that must be satisfied by certain time frames. It also identifies technology alternatives to be developed to meet those targets. Finally, it provides the information needed to evaluate trade-offs among different technology alternatives.

Roadmapping can be done at either of two levels - industry or corporate. These different commitments in terms of time, cost, level of effort, and complexity. However, the resulting roadmaps have the same structure - needs, critical system requirements and targets, technology areas, technology drivers and targets, technology alternatives, recommended alternatives or paths, and a roadmap report - although with different detail. Technology roadmapping within a national laboratory is essentially corporate roadmapping, although a national laboratory may participate in an industry roadmapping process.

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What is a Technology Roadmap?

A technology roadmap is the document that is generated by the technology roadmapping process. It identifies (for a set of product needs) the critical system requirements and process performance targets, and the technology alternatives and milestones to meet those targets. In effect, a technology roadmap identifies alternate technology alternatives for meeting certain performance objectives. A single path may be selected and pursued. If there is high uncertainty or risk, then multiple paths may be selected and pursued concurrently. The roadmap identifies precise objectives and helps focus resources on critical technologies that are needed to meet those objectives. This focusing is because it allows increasingly limited R&D investments to be used more effectively.

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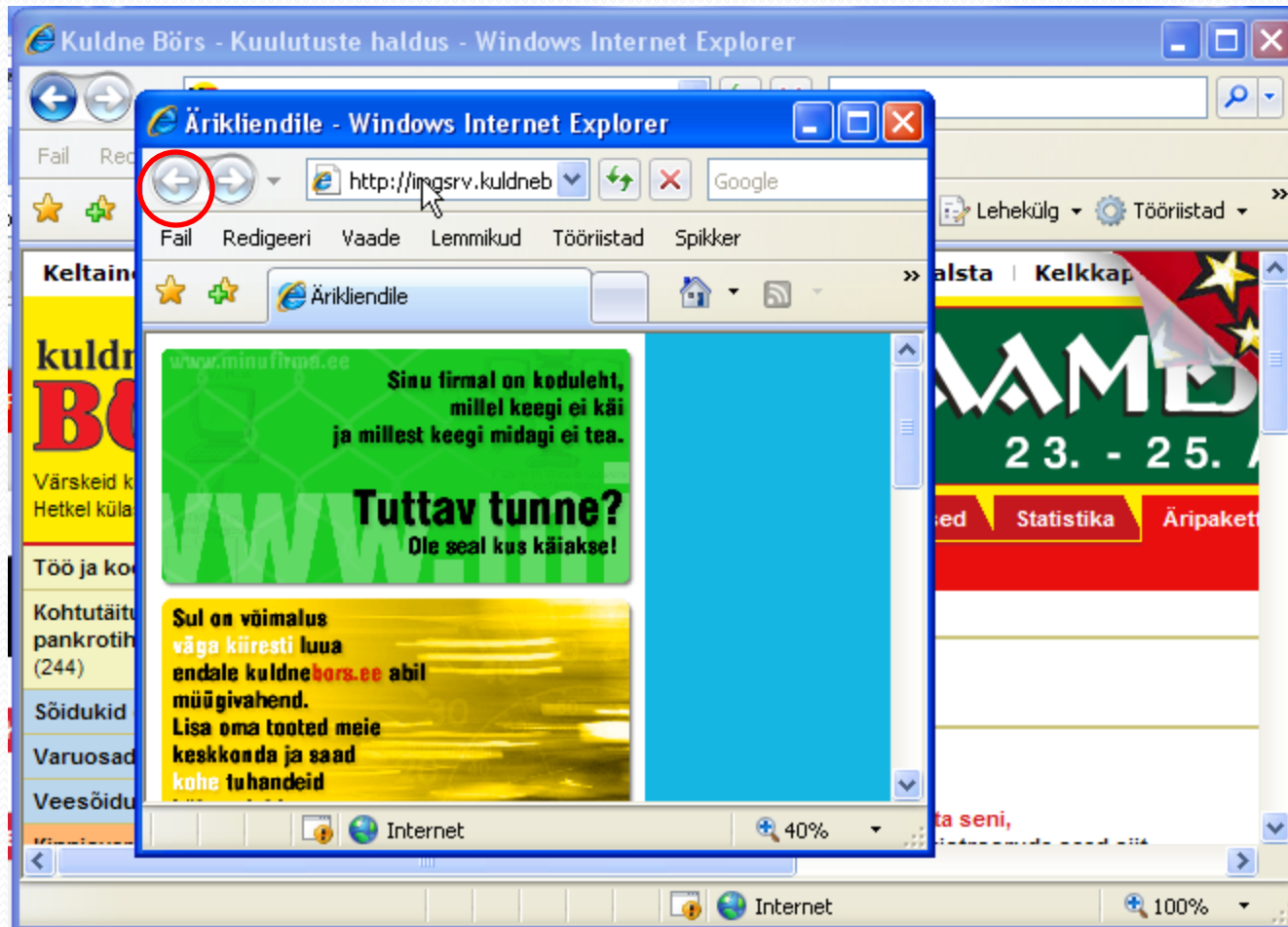
Types of Technology Roadmaps

There are different types of technology roadmaps. The product technology roadmap is usually referred to simply as a technology roadmap.

Another type of technology roadmap, which is used by some corporations, is an emerging technology roadmap. An emerging technology roadmap differs from a product technology roadmap in two ways:

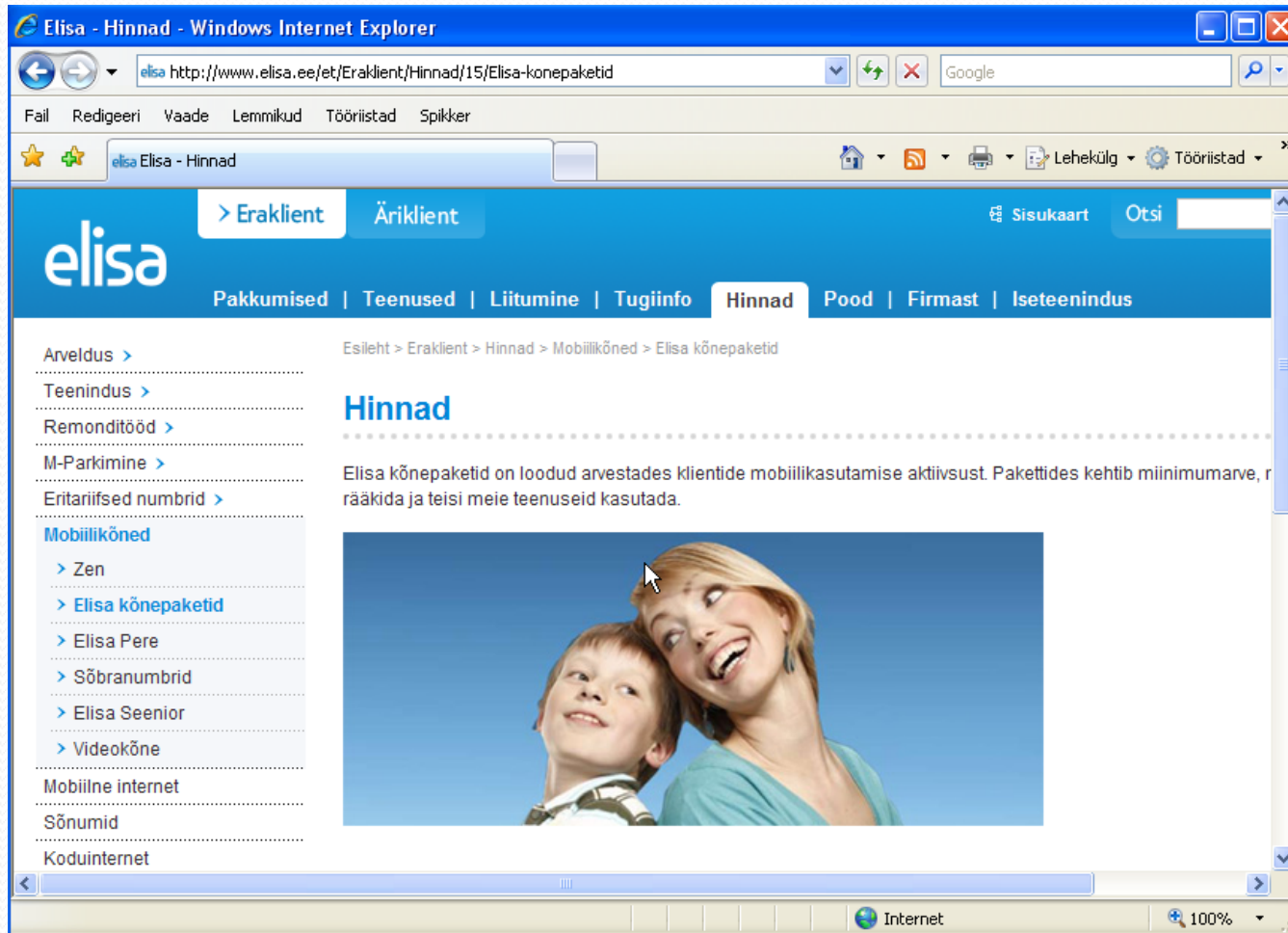
Navigeerimine - soovitus

Mitte luua lehte ilma navigeerimise võimaluseta



Navigeerimine - soovitusel


Eralda ja grupeeri navigeerimiselemendid




Navigeerimine - soovitusel


- Kasuta kirjeldavaid tabi märgiseid
- Kasuta kohakaarte (Site Maps)
- Kasuta sobivaid menüü tüüpe


Sitemap

 [Human Resources and Social Development](#)

 [Social Development](#)

 [Children and Youth](#)

 [Publications](#)

 [Events](#)

 [News Bulletins](#)

 [Links to Other Sites](#)

 [Health](#)

 [Health Promotion](#)

[cancer information](#) | [clinical trials](#) | [statistics](#) | [research programs](#) | [research funding](#)

Men's Health

Diet

Kid's Health

Senior's Health

Centers

News

Entertainment

Sports

Navigeerimine - soovitused

Ainult navigeerimist sisaldav leht olgu lühike

HOBBY HALL OSTUKORV

[Logi sisse](#) | [Registreeri](#) [Klienditeenindus](#) | [Nii ostad netipoest](#)

<input type="text"/>	Elektronika	Sport & vaba aeg	Kööki	Kodutekstiiil & sisustus
OTSI	Lastele	Riided & aksessuaarid	Kodumasinad	Sooduspakkumised

KODUKONTOR
Arvutid, kuvarid, printerid
Telefonid

AJAVIITE-ELEKTROONIKA
Audiotehnika, muusikariistad
Telerid
Kodukinod, projektorid
DVD-, VHS- ja Blu-ray-seadmed
Autostereod, GPS-seadmed
Mängud, konsoolid

KAAMERAD
Videokaamerad
Digifotoaparaadid, optilised seadmed
Mälukaardid, lisatarvikud

Elektronika

Igavesti sinu!

Tangenti reisiraadio Uno 2go
3 099,-

Canon Digital IXUS 110 IS
12.1 MP

Navigeerimine - kontranäited

<http://www.teacherxpress.com/>

The screenshot displays the TeacherXpress website interface. At the top, there is a navigation bar with links for [Login/Register](#), [Preferences](#), [My Links](#), [Set my Homepage](#), [Recommend Us](#), and [About](#). The main logo reads "TeacherXpress" with the tagline "the education web all in one place for busy teachers".

The main content area is divided into several sections:

- My Links:** A section titled "Login/Register to:" containing a list of instructions for creating and customizing a user profile.
 - Create your own 'my links' category on the homepage.
 - Visually customise TeacherXpress.com in many ways.
 - Hide categories which do not interest you.
 - Choose large type for the display.
 - Vary the number of links displayed in each category.
 - Display links by their popularity or alphabetically.
- Libraries:** A list of various online libraries and resources, including Internet Public Library, Virtual Library, Epals Classroom Exchange, Constructivism, British Library - Learning Resources, UK Public Libraries, Resource Discovery Network, MIT Open Courseware, Internet Archive, Archives in Education, Children's Digital Library, Internet School Library, Poetry Archive, School Libraries, Buzzle, National Natural History Library, Domesday Book, Scottish Poetry Library, British Library, National and Major Libraries, Archon - National Archive, and Turning The Pages. A [More...](#) link is provided at the bottom.
- Newspapers:** A list of various international newspapers, including The Guardian, Sun, Liverpool Echo, Daily Mail, Manchester Evening News, Times of India, The Times, Belfast Evening Telegraph, Daily Telegraph, Express and Star, The Mirror, TES, Le Monde, Daily Express, Evening Standard, Scottish Daily Record, La Repubblica, Independent, Press Display, USA Today, Yorkshire Post, News Now, Private Eye, Washington Post, New York Times, South China Morning Post, Wired, Sunday Herald, Suddeutsche Zeitung, Financial Times, Teaching Times, World Newspapers, China Daily, and Nursery World. A [More...](#) link is provided at the bottom.
- Reference:** A list of reference sources including Wikipedia, Royal Mail Postcodes, World Clock, UK Atlas, UK Streetmaps, Encyclopaedia Britannica, Map Quest, British Pathe News, Encarta, World Atlas, Up My Street, Dictionary, National Geographic, UK Telephone Directory, Scran, Artcyclopaedia, One Look, Martindale Reference Desk, World Telephone Directories, Encyclopaedia.com, Old Maps, UK Villages, Translation, Encyclopaedia Mythica, IT Encyclopaedia, Historical Atlas of 20th Century, Currency Converter, Research It, Reference Desk, Wales on the Web, and List of Lists.
- Search:** A list of search engines and tools including Google, Ask Jeeves for Kids, Search Both, Ask Jeeves, Clusty, Google News, Yahoo!igans, DoqPile, Yahoo, Froogle, BBCi, SearchMash, Incy Wincy, TurboScout, Google Maps, Gigablast, WiseNut, Exalead, Rollyo, Vivisimo, Web Teacher, Kids Click, Lycos, Microsoft Search, Alta Vista, A9, Kartoo, Childrens Search Tools, StumbleUpon, All the Web, U101, College Search, SurfWax, Webcrawler, ixQuick, Scirus - scientific, The Spiders Apprentice, MetaCrawler, HotBot, Search Tips, Profusion, and The Invisible Web.
- Employment:** A list of job search resources including TES Jobs Online, Montessori Jobs, Educational Vacancies, USA Teaching Jobs, Jobs in Education, eteach.com, US Teaching Jobs, Guardian Jobs Unlimited, Museum Jobs, USA Teaching Jobs, Catholic Teachers Gazette, Local Government Jobs, Canadian Teacher Exchange, TeacherNet Jobs, Jobs.ac.uk, English Job Maze, Fulbright US Teacher Exchange, QED Education, THES Jobs Online, Supply Desk, More US Jobs, and NISS vacancies.

Navigeerimine - kontränäited

<http://www.snarg.net/>



<http://www.etsy.com/color.php>



Navigeerimine - kontranäited

http://webpagesthatsuck.smugmug.com/gallery/6872802_vfkua#440084489_v2HjH-A-LB



Soovitusi e-äri saidile

1. Identifitseeri kasutajad e-meili aadressi abil
2. Jaga tellimisprotsess osadeks
3. Näita kasutajale, kus ta on ja kuhu ta läheb



The screenshot shows the Estonian Air website interface. At the top left is the Estonian Air logo. On the right side, there is a navigation menu with six numbered tabs (1-6). The main content area is titled "Valige lennu kuupäevad" (Select flight dates). Below this title, there are two columns of flight information:

Tallinn - Brussels	Saturday, 9 May 2009	Reisija:	1
Brussels - Tallinn	Sunday, 10 May 2009	Hinnatüüp:	Estonian Air

4. Ära tee protsessi raskemaks kui see peaks olema
5. Esita vastused KKK (FAQ)
6. Rõhuta kohustuslikud väljad
7. Tee tellimisprotsess paindlikuks
8. Enne ostmist võta kinnitus

* these fields must be completed

* title

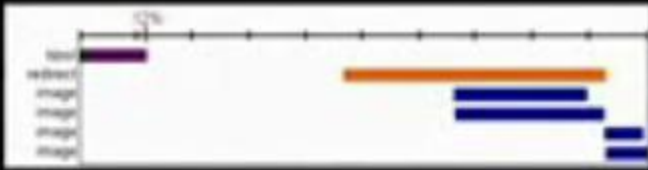
* forename

Efektiivsus



Esitluskihi jõudlus

Steve Souders <http://video.yahoo.com/watch/1040890/3880720>



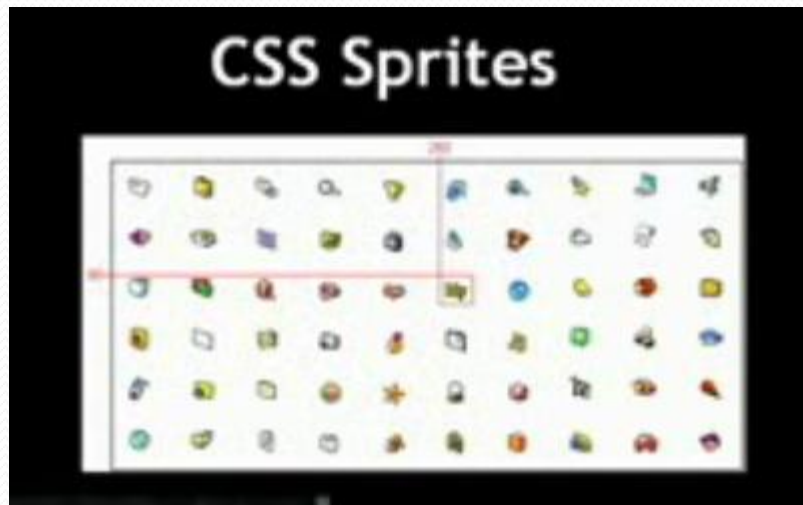
Even primed cache, frontend = **88%**

Time Spent on the Frontend

	Empty Cache	Primed Cache
amazon.com	82%	86%
aol.com	94%	86%
cnn.com	81%	92%
ebay.com	98%	92%
google.com	86%	64%
msn.com	97%	95%
myspace.com	96%	86%
wikipedia.org	80%	88%
yahoo.com	95%	88%

Soovitused

- Teha vähem HTTP päringuid



Soovitused

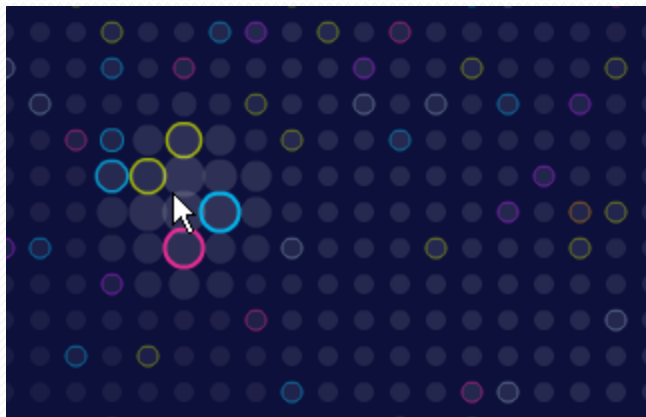
- Lisada Expires päis
- Kasutada komponentide kokkupakkimist
- Panna stylesheet algusse
- Viia skriptid lõppu
- JS ja CSS olgu välised
- Optimeerida JS
- Vältida ümbersuunamisi
- Muuta AJAX puhverdatavaks

Kasutatavuse testimine – 8 soovitus

1. Katsealuste valik
2. Enne testi
3. Testi alustamine
4. Ülesannete valik
5. Ülesande sõnastamine
6. Ülesande esitamine
7. Käitumine testi ajal
8. Peale testi

Näiteid väga halva kasutatavusega veebisaitidest

<http://www.hdrch2a.com/>



http://webpagesthatsuck.smugmug.com/gallery/6837311_tyvTi#497125770_dDDkt-A-LB



<http://www.juliegarwood.com/>



vt. ka <http://www.jkrowling.com/en/>

<http://now.sprint.com/widget/>

The dashboard widget features several data panels:

- WORLD ENERGY USED NOW**: A bar chart showing energy usage in tons (oil eq) with values 79,423, 52,991, 53,993, 12,487, and 14,262.
- The New York Times BUSINESS UPDATE**: A text panel with a link to "Earnings Better Than Expected at American Express".
- CURRENT WORLD POPULATION**: A digital display showing 674159703.
- COFFEE CUPS BEING PRODUCED**: A vertical scale from 0 to 9K with a coffee cup icon.
- 911 CALLS BEING MADE**: A red rotary phone icon and a digital display showing 27.
- CNN HEADLINES**: A text panel with a link to "Can green cellphones ring the changes in mobile industry?".
- YOU, NOW**: A panel with a "CLICK TO ADD YOURSELF" button and a "WEBCAM REQUIRED" note.
- EGGS BEING PRODUCED**: A digital display showing 66 (TONS) with an egg icon.
- ON SALE NOW**: A panel with a "Go buy" button and a small image of a product.
- BICYCLES BEING PRODUCED**: A digital display showing 2.
- CARS BEING PRODUCED**: A digital display showing 10.
- TOP WORDS BEING USED ONLINE**: A panel with a "Broadband" link.
- PLAY NOW**: A panel with a "NASCAR Sprint" logo and a link to "RCR shifts crew chiefs and crews of No. 29 and No. 07. Richard Childress".

<http://www.havenworks.com/>

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HavenWorks.com Friday, 24 April 2009
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Democratic News:  2010 TV: 

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Republican News:  **Atwater Politics** 

"Two Santa Clauses or How The Republican Party Has Conned America for Thirty Years."

HavenWorks.com+A-Z

DEM 2010 TV
OBAMA TV
WHITE HOUSE TV
'News' Media Politics

U. S. A.
20090330
Politics
John McCain - 
Government -   Money -
 Accounting - 
Arizona
"Despite McCain's Comments, Senate COP Not Offici"

WORLD
20090331
Terrorism
Pakistani - 
Police -  Military -
Political - 
Religious -  History -
Soviet - 
Afghanistan -  India
"Insurgent Threat"

News Topics
A-Z
Weblog

<http://yvettesbridalformal.com/>

click here to see La Novias en Yvette's ~*

Index of Glamorous Models, click here~*

Yvette's has Gorgeous Gowns full figure!! [click here](#)

Miss Sunshine Pageant Pageants
Valentine's Day Pageant
Sweetheart Pageant
Sunburst Pageant
Miss Firecracker Pageant
Мы любим Россия.

10% ~ 30% off all Prom Gowns

!!!!!!! Luxury Name Brand~* Designer Fabrique~* Fashion Label~*

Nous aimons la France.

\$50 tuxedo rentals !!!! \$ 63.55 w/shoes & Uncle Sam

Yvette's HOURS:
Monday thru Sunday 10:00 a.m. - 6:00 p.m.

Welcome to Yvette's !!!

Yvette's is open EVERY DAY !!!

Yvette's is also Sundays !! Yvette's is open all holidays !!

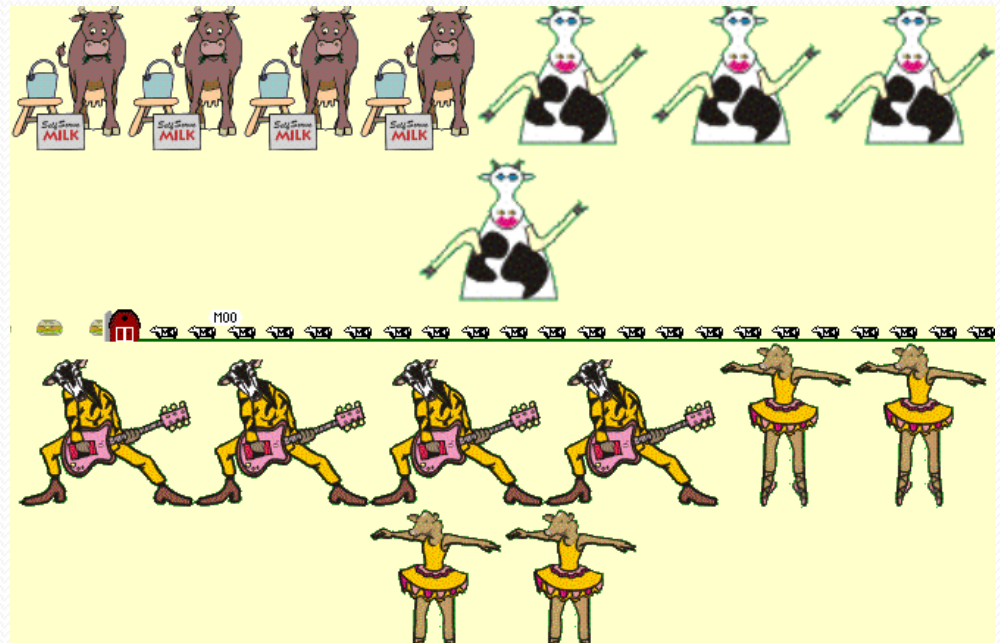
Yvette's habla poquito

Yvette's RENTS TUXEDOS !!!

FORMAL PAGEANT PROM HOMECOMING CRUISE HOLIDAY CELEBRATE

Lauren & Britt trying Gowns Yvette ~*~*~*

<http://www.cowdance.com/>



<http://users.hunterlink.net.au/~mbbjsj/index.htm>



<http://web.archive.org/web/20060613061524/http://moire.ch/>

moiré

Marc Kappeler, Markus Reichenbach
Schöneeggstrasse 5, 8004 Zürich, Switzerland
P/F +41 44 240 57 34, hello@moire.ch

Projects

[new] 3 books for the *Migros Museum für Gegenwartskunst Zürich*

[new] Annual report for the *Swiss Curling Association*

Black Maria #3, fanzine for fine art

[coming soon] Catalogue for the group exhibition *Real Fantasies*,

Corporate design for *Jewellery Prize Switzerland*

Hybrid, a catalogue for the Fotomuseum Winterthur

Image brochure for *Mettler/Dozza, Construction Company*, Chur

[coming soon] *Jazzfestival Schaffhausen*

[new] *Masterplanet* (Melinda Nadj Abonji & Jurczok 1001), Music

moiré, *Copy of a Tree*

moiré, *Make a Tree*

[new] *Parasol unit foundation for contemporary art*, London

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Military Models Special Sale

LADIES

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- [Ladies Overcoats](#)
- [Ladies Pilot Pants](#)
- [Ladies Pilot Shirts](#)

<http://www.fredfrap.com/>

Mozilla Firefox:

Fred Frap

... and His Imaginary Friends

Click Image to enter this award winning website!

The screenshot shows the homepage of the Fred Frap website. At the top left, it says "Fred Frap and His Imaginary Friends" with a small tagline "Inspired by the Frags and the Beats They Make". A navigation menu includes "Home", "About", "Music", "Schedule", "Contact", and "Links". Below the navigation is a banner image of Fred Frap playing an acoustic guitar. The main content area features a "WELCOME" section with a paragraph of text: "Inspired by the musical legends and luminaries that we've all come to appreciate (a.k.a. Imaginary Friends), the Central Florida, award-winning vocalist, accompanied by his acoustic guitar and an inner light, delivers a widely-varied selection of both worldwide hits and more obscure gems. Critically acclaimed as 'intimate, bold, and genuine', the music's live, influenced by many, and performed by one." To the right of the welcome text is a "WEEKLY NEWS ALERTS" section with a red heart icon and the text "Check out the Valentine's Day Special Not on our mailing list yet? click here to register for our weekly update". There are also three small thumbnail images labeled "My story", "My schedule", and "My music".

Fred Frap

... and His Imaginary Friends

Click Image to enter this award winning website!



<http://www.bvs.com/bank/bank-training.asp>



<http://www.gatesnfences.com/>

L.A. Ornamental Corp
3708 N.W. 82nd Street
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Phone: 305-696-0419
Fax: 305-696-0461
LAOrnamental@Aol.com



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http://www.frnz.de/

The screenshot shows a website with a repeating floral border on the left and right sides. The main content area is white with green text. At the top, it says "FRANZ IST IM INTERNET" in large green letters. Below this, there is a search bar with the text "GOOGLE WebCrawler-Bannerdienst" and "GOOGLE WebCrawler-Service". The main text reads: "HABE JETZT EIGENE DOMAIN MEIN VORNAME WAR SOGAR NOCH FREI!!! KLICK HIER!!! [FRANZ.FRANZ.DE!](#)". Below this is a navigation bar with "HABE JETZT EIGENE DOMAIN MEIN VORNAME WAR SOGAR NOCH FREI!!! KLICK HIER!!!" and "FRANZ.FRANZ.DE!". The main text continues: "FRANZ IST IM INTERNET HALLO LEUTE! AUCH ICH BIN JETZT IM INERNETZ!! FRANZ IST IM INTERNET ICH BIN DER FRANZ AUS DEM WEB!". Below this is another navigation bar with "FRANZ IST IM INTERNET" and "FRANZ.FRANZ.DE!". The main text continues: "NEU!!! ICH habe eine Gästebuch, kommt doch alle rein und dragt euch ein! BITTE, ICH FREUE MICH ECHT! Das ist mein HUND ♥♥ WALDI". Below this is another navigation bar with "FRANZ IST IM INTERNET" and "FRANZ.FRANZ.DE!". The main text continues: "FRANZ IST IM INTERNET goldig? ??? ??". Below this is another navigation bar with "FRANZ IST IM INTERNET" and "FRANZ.FRANZ.DE!". At the bottom, there is a small image of a dog's head. The page number "-- Seite 1 --" is visible in the center.

Lugemist

1. Avo Alender, Kasutajaliideste disain ja usability
<http://courses.cs.ut.ee/2008/tvt/uploads/Main/workshop9.pdf>
2. Merlyn Holmes, Web Usability & Navigation, McGraw-Hill
3. <http://www.webcredible.co.uk/user-friendly-resources/white-papers/web-usability-guide.pdf>
4. Research-Based Web Design & Usability Guidelines, Forewords by: Michael O. Leavitt, Secretary of Health and Human Services, Ben Shneiderman
5. Research-Based Web Design & Usability Guidelines, Sanjay J. Koyanl, Robert W. Balley.
6. Steve Souders, High Performance Web Sites
<http://www.youtube.com/watch?v=BTHvs3V8DBA&hl=et>