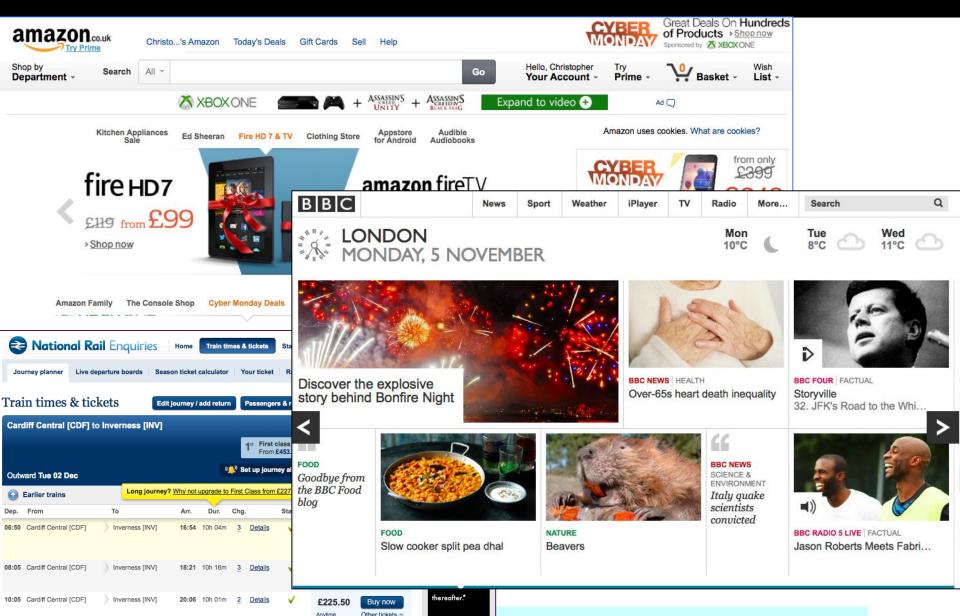
Web Applications

Web Site Design Issues

Martin Caminada Chris Jones

What makes a Web site good to use?



10:50 Cardiff Central [CDF]

Inverness [INV]

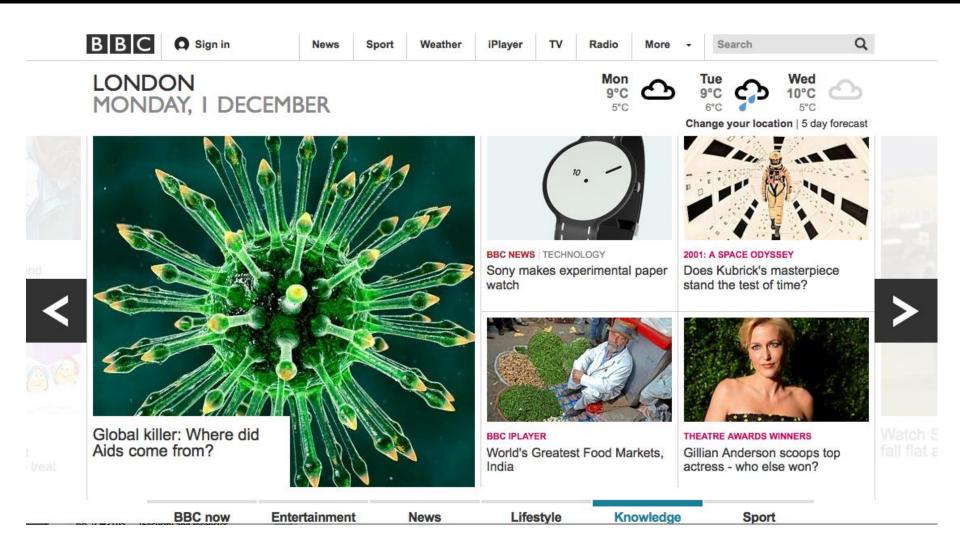
21:01 10h 11m 3 Details

£225.50

Issues in Web Site & Web Page Design

- Informative well written, well-illustrated content
- Logical structure of web site and content
- Navigational aids
- What's in a page: quantity / "readability"
- Individual page design
 - Use of colour
 - Use of fonts
 - Use of images
 - Use of links
 - Consistency
- Administrative data

Information structure / organisation



Logical structure of web site and content

- Organise the information content with care
 - identify main categories of information (may be sections and subsections)
- Divide information into "logical" chunks of information that may appear on a single page
 - Overviews (links)vs specific topics
- Hierarchies and linear sequences
 - often need both

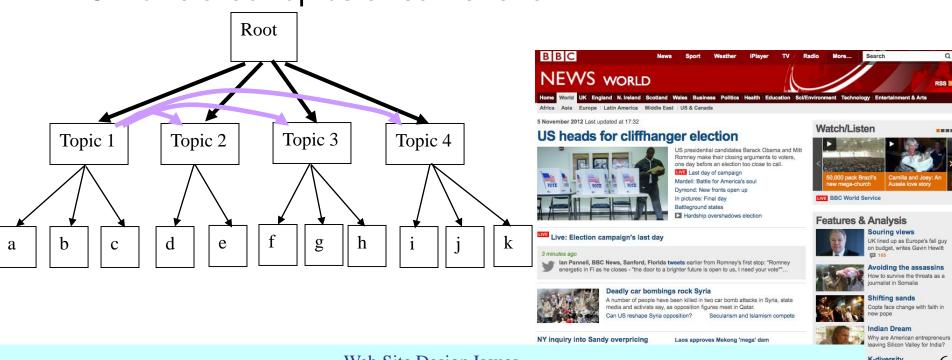


Hierarchies and linear sequences

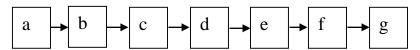
Hierarchies

root may be overview of the entire subject matter : i.e. home page.

- should point to the main categories (sections),
- each category of which leads in turn to sub-sections,
 Or to related topics at same level

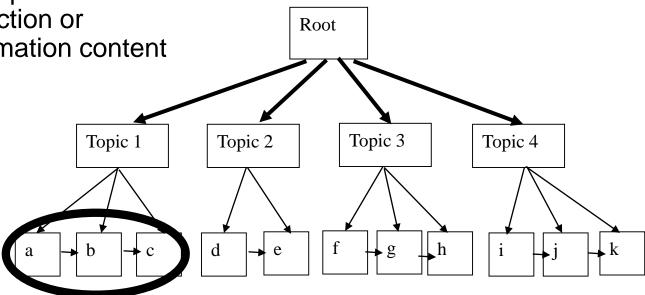


Linear sequences

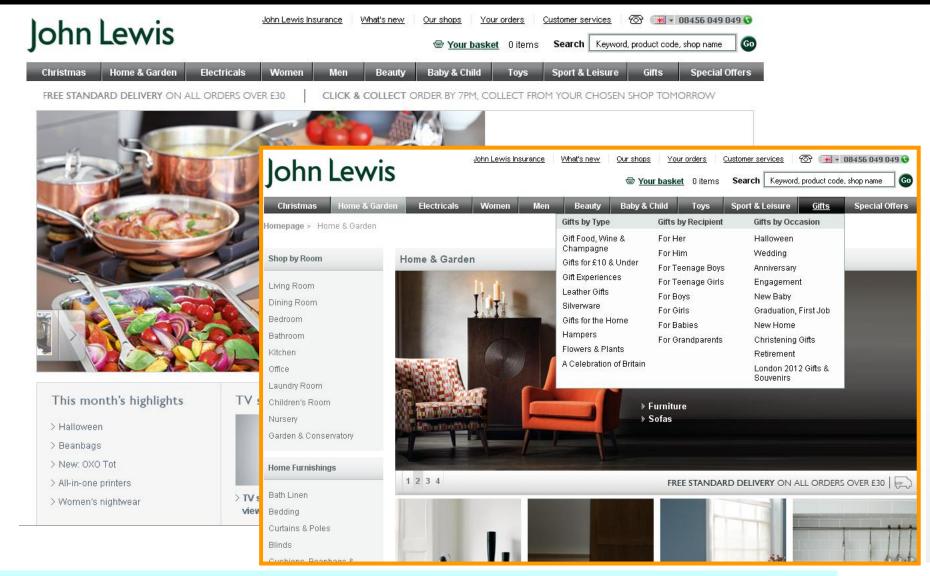


 Sequences lead the user through an individual topic that is best treated in an ordered manner.

 For most sites a sequence will correspond to a section or subsection of information content



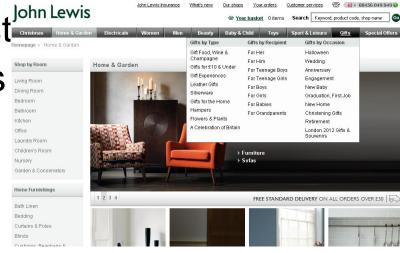
Navigational Links: Do not let the user get lost in hyperspace



Navigational Links:

Do not let the user get lost in hyperspace

- Home page should list all major categories of information
 - Good if ALL pages list major categories
- Where am I? For all pages, at least provide:
 - an indication of the category / section to which it belongs
 - a link to home page What navigational aids on this site?
- In a hierarchy ensure that user can easily ascend:
 - via a home page link at least
 - maybe also to local sections or overviews
- In a linear sequence, ensure that they are all linked by next and previous links



What's in a web page?

- Limit amount of data in a page
 - lots of scrolling can be annoying
 - internal page links? Maybe separate pages are better
- Make sure language is clear
 - proof read content carefully (use spell checkers)
- Avoid monolithic pieces of text
 - screen more difficult to read than hard copy

To make reading the text easier:

- → divide up content using *headings* and subheadings
- → use lists to make a series of points bullet points



Page Layout

- Organise content of the page
 - Create coherent units of information
- Regular pattern / structure is easier to read
- The brain tends to seek out patterns, so give it some

Books by MacAvon Authors Web Design: A Complete Introduction Nigel Chapman & Jenny Chapman To be published in Autumn 2006 ISBN 0 470 01226 9 (John Wiley & Sons, Ltd) Digital Multimedia (2nd edition) Nigel Chapman & Jenny Chapman xix+679pp. ISBN 0 470 85890 7 (John Wiley & Sons, Ltd) Visit the support site for Digital Multimedia. Digital Media Tools (2nd edition) Nigel Chapman & Jenny Chapman ISBN 0 470 85746 X (John Wiley & Sons, Ltd) Visit the support site for Digital Media Tools

www.animation; animation design for the world wide web

ISBN 0 823 05856 5 (US edition, Watson-Guptil)





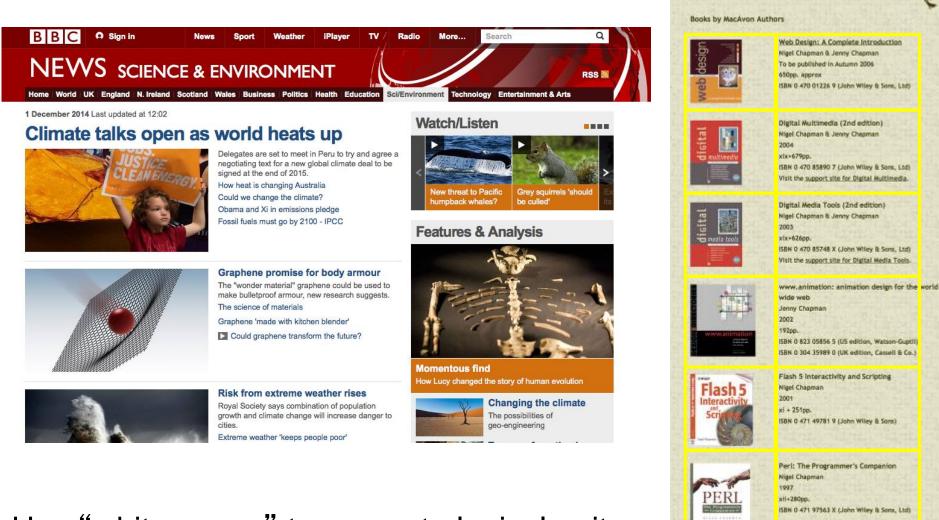
Peri: The Programmer's Companion Nigel Chapman 1997 xii+280pp.

ISBN 0 471 97563 X (John Wiley & Sons, Ltd)



The Late Night Guide to C++ Nigel Chapman 1996 x+362pp

Layout Grids



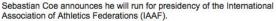
Use "white space" to separate logical units

The Late Night Guide to C++ Nigel Chapman 1996 x+362pp.



consistent







Farah to start season in



Rutherford 'would back'

win awards

DISABILITY SPORT Peacock 'shock' at difficult 2014

for dopers

Doha wins

2019 Worl

SPORT 'Prize mon

to be close

SHEFFIELD

YORKSHIF Rape twee

Ennis-Hill

SPORT

WALES

Welsh pair

Germany doping a c

Adams calls for life bans



Will it be third time lucky for Qatar's Olympic dream?



The ex-Olympian working in League Two

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Home Football Formula 1 Cricket Rugby U Rugby L

Golf Athletics Sports Personality

All Sport

BBC

Live Scores Results Calendar Draws Order of Play Men's Rankings Women's Rankings

30 November 2014 Last updated at 15:38



Andy Murray enjoys two wins over a team including Nick Kyrgios and Serena Williams at the International Premier Tennis League.



GB duo lose in Masters



Is new tennis league

Headlines

Murray & Sharapova beaten in Manila

Murray makes IPTL debut in Manila

DISABILITY SPORT Brit Whiley reaches Masters semis

SCOTLAND British number one Murray is engaged

Murray reshuffles coaching team

DISABILITY SPORT Brit Whiley beats Kamiji in Masters

Federer seals Cup for Swiss

DISABILITY SPORT Britons win Nottingham quad doubles

Schedule and results

International Premier Tennis League

Official site

World Tour Finals 2014



Federer pulls out of ATP Tour final

Roger Federer withdraws from the ATP World Tour final against Novak Djokovic, saying he is not "match-fit".

- Diokovic season has 'awkward end'
- What next for beaten Murray?
- ATP chief won't leave London to 'chase cash'
- Federer defeat hurts Andy Murray column
- ATP Tour finals tables and results



Aspects of Consistency

LOCATION on page of

- Logo / title of page
- Navigational aids
- Main content
- Related information / features

USE of

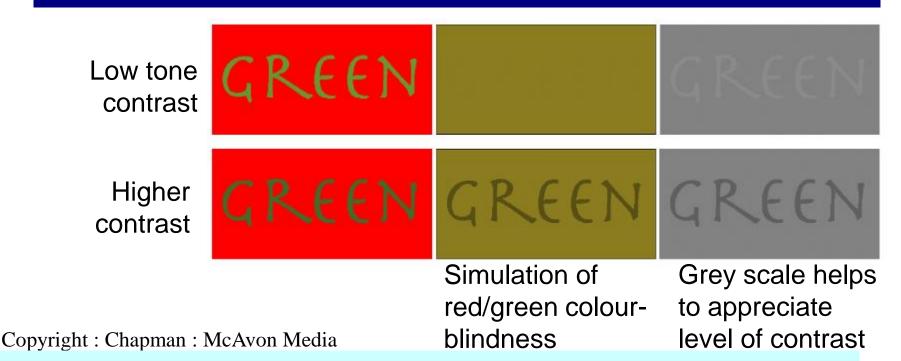
- Colours
- Text Fonts



Colour Use

Readability of text affected by tonal contrast Light on dark use dark on light background or vice versa. Light on dark Some combinations are difficult to read:

Readability of text affected by tonal contrast – use dark on light background or vice versa. Some combinations difficult to read.



red-green colour blindness example



Copyright: Chapman: McAvon Media

Images

- Help to illustrate concepts and may make site attractive
- Also can waste space and can take too long to download
 - So make sure image increases information content of the page

If images liable to occupy too much space on a page

use thumb nails (i.e. click for full size)

- Background images:
 - can divert attention from the information content of the web page
 (if in doubt don't bother)

Links (explicit vs implicit/in-line)

- Explicit if main purpose is to inform user of associated documents, then put in a list
- Implicit / tangential information place links in-line

"when approaching the magical sight that is Merthyr Tydfil I spotted a woolly beast that waved a

? Not so good:

"when approaching the magical sight that is Merthyr Tydfil (click here for details), I spotted a woolly beast that



Cardiff

From Wikipedia, the free encyclopedia

For other uses, see Cardiff (disambiguation).

Cardiff (pronounced /'ka ː dɪf/ (🌒 listen), Welsh: Caerdydd (info)) is the capital, largest city and most populous county of Wales. The city is Wales' chief commercial centre, the base for most national cultural and sporting institutions, the Welsh national media, and the seat of the National Assembly for Wales. According to recent estimates, the population of the unitary authority area is 324,800, [2] while the wider metropolitan area has a population of nearly 1.1 million, more than a third of the total Welsh population. [3] Cardiff is a significant tourism centre and the most popular visitor destination in Wales with 14.6 million visitors in 2009. [4]

The city of Cardiff is the county town of the historic county of Glamorgan (and later South Glamorgan). Cardiff is part of the Eurocities



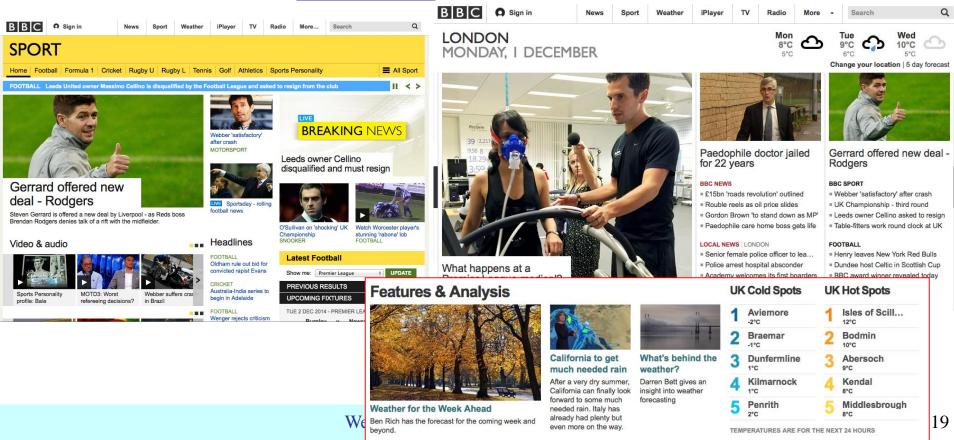
Text and fonts

Font variables:

name/family; height; weight; style; decoration; colour

Use of many different named fonts can become messy

What can the font <u>variables</u> be used to communicate?



Administrative information

- Useful data:
 - contact address
 - email address for feedback
 - date document last modified
 - person who maintains web site
 - the information may vary according to part of web site

Can use the <address> tag in HTML for this type of information

Postal Address

Cardiff School of Computer Science & Informatics, Cardiff University, Queen's Buildings, 5 The Parade, Roath, Cardiff CF24 3AA, UK

Tel: +44 (0)29 2087 4812 Fax: +44 (0)29 2087 4598

Email: comsc-ug@cs.cardiff.ac.uk

Head of School: Professor S. Hurley

Cardiff University Links

- → Travel directions.
- The University maps and location quide.

This page was last modified on 20 November 2013, at 12:15.

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