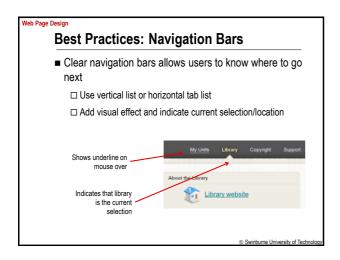
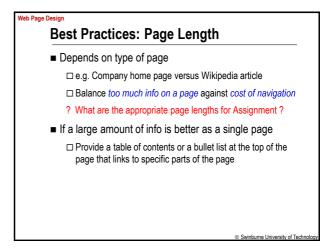


Contents Design for Usability ■ Web Page Design ■ Web Site Design ■ Accessibility

Usability: Web Design Consideration ■ Usability does not simply refer to the "visual" design of a site. It also looks at □ Ease of learning □ Ease of navigation □ Ease of undoing actions □ Ease of access for different groups of users □ Ease of task completion □ Ease of reading







Web Page Desig

Best Practices: Design Principles

- Repetition repeat visual elements (shape, colour, font, images) throughout design
- Contrast Add visual excitement and draw attention, dark text on medium to light background provides easy reading
- Proximity: group related items
- Alignment: align elements (horizontally or vertically) to create visual unity

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Web Page Desig

Best Practices: Webpage Design Factors

- Load time
- limit the total size of a webpage, all associated images and media files to 60kb.
 - ☐ On a 56kps connection, it takes about 8 seconds to load a 60kb webpage
- Perceived load time
 - limit the time a visitor is aware of waiting
 - ☐ Break a long page
 - □ Split a large image into smaller images, since graphics are displayed as it load

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Web Page Desig

Best Practices: Webpage Design Factors

- Above the fold
 - place important and interesting content on the viewable portion of the page
- Webpage "Real Estate"
 - place important information and navigation on the upper left and top centre of the page
- Avoid horizontal scrolling
 - use percentage on layout width
- Mobile first
 - design for portable devices first, then add extras

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Web Page Desig

Best Practices: Text Design

- Use common fonts, sans serif fonts are easier to read on screen, serif fonts were designed for reading across printed material.
- FANCY FONTS can be hard to read
- Screen resolution is lower than paper, ensure fonts big enough
- Provide enough contrast between text colour and background colour
- Choose fewer fonts
 - $\hfill\Box$ Promote strong typographic identity
 - □ Vary weight, size, white space and colour
- Hyperlink keywords or phrases, not sentences.
 Avoid adding extra links with words like "Click here"

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Web Page Design

Best Practices: Colour and Images

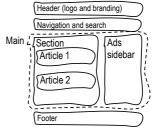
- Choose colours from the Web Colour Palette to have the most consistent display
- Use only necessary images
- Keep both file size and dimension of images small
- Ensure that site is usable if images are not displayed
- If possible make your image displays 'scalable'

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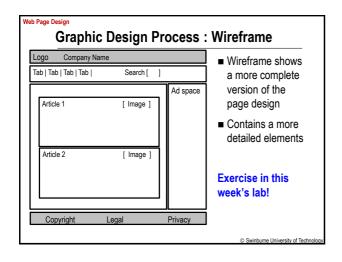
Web Page Design

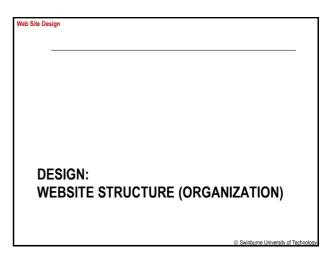
Graphic Design Process: Page Mock Ups

- It is a sketch of the desired design for discussion and critique
- Indicates the general layout of the home page



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Website Structure (Organisation)

Organise the website based on the site's content and user experience of connections

Understand its effects on navigation
site structure, menu depth, navigation aids/tools

Common information structure or website organisation
Network (Exploratory) – Web, Cluster, Catalogue
Hierarchical - Tree
Linear - Linear, Tutorial

A diagram of the website organisation is a site map

Structure: Network

Network structure contains links between most pages.

A user has control over the order in which pages are visited.

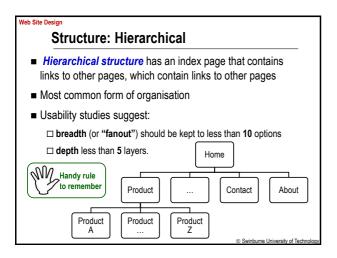
This structure can result in a user easily become lost.

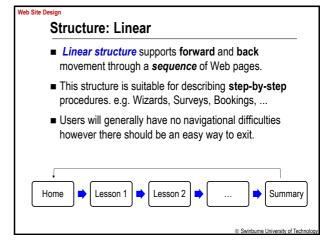
Careful navigation assistance and tools are required.

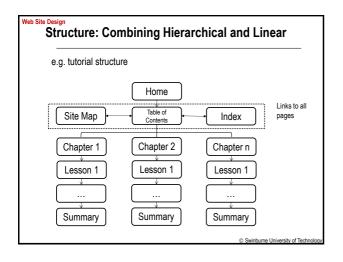
The user should know where they are and where to go.

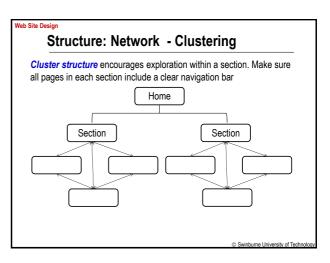
Make sure each page includes a clear location information and a standardised navigation bar

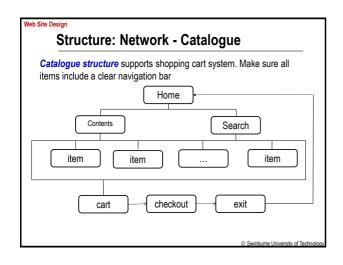
This type of structure can also cause a significant maintenance problems.

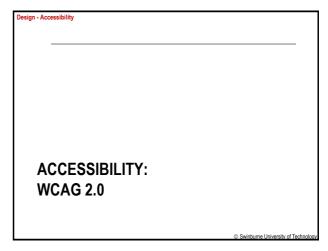












Web Content Accessibility Guidelines

■ 12 guidelines that are organized under 4 principles:

perceivable, operable, understandable, and robust.

■ WCAG is a stable, referenced technical standard

■ Endorsed for all Australian Government websites

□ This is one of the mandatory requirements for Australian Government agencies to consider when developing and maintaining their online presence.

http://webguide.gov.au/mandatory-requirements/

WCAG 2.0: Principles

■ Perceivable

□ Provide text alternatives for non-text content.
□ Provide captions and other alternatives for multimedia.
□ Create content that can be presented in different ways, including by assistive technologies, without losing meaning.
□ Make it easier for users to see and hear content.
■ Operable
□ Make all functionality available from a keyboard
□ Give users enough time to read and use content
□ Do not use content that causes seizures
□ Help users navigate and find content

WCAG 2.0: Principles (cont) ■ Understandable □ Make text readable and understandable □ Make content appear and operate in predictable ways □ Help users avoid and correct mistakes ■ Robust □ Maximize compatibility with current and future user tools

Design - Accessibilit

Tools:

■ AChecker WCAG2 Online Validator:

http://achecker.ca/checker/index.php
An open source Web accessibility evaluation tool.
Can be used to review the accessibility of Web pages based on a variety of international web accessibility guidelines

- Total Validator: http://www.totalvalidator.com/index.html
 An accessibility validator, (as well as an (X)HTML validator, a spell checker, and a broken links checker etc.) allowing one-click validation of your website. Can be added to Firefox and/or installed stand alone.
- Web Accessibility Checklist (v2)

Provides a useful 'how to' process for evaluating webpages and suggestions for addressing WCAG 2.0 guidelines.

Quick Web Accessibility Checker (Word document) linked from: http://www.btat.org/toolkit/best-practice

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