Making the web accessible both for mobile devices and people with disabilities

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Introduction

• Similar barriers of access exist for disabled web users and mobile users.

• There are also subtle differences

• Separate sets of guidance that overlap
Shared problems

• **Images:** hide or remove unnecessary/large images

• **JavaScript:** provide an alternative.

• **Links:** limit links, keep them short, group them and provide skip links

• **Keyboard only:** avoid mouseover and mouseout events, double clicks and right clicks

And many more…

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Demo

www.thisislondon.com website tested:

• **Web accessibility:** tested using Jaws 8 and Internet Explorer 7.

• **Mobile access:** tested using Opera 9.27 “small view”.

• **Shared issues:**
  – Repeated links
  – Overuse of images
  – Lack of skip links
Repeated links on the web

Visual

STOP KNOCKING JAY-Z
Our music blogger on the real reason why Glastonbury hasn't sold out

WIN IRON MAN PREMIERE TICKETS
We have a pair of tickets to give away to the London premiere of Iron Man

BREAKING THE DAISY CHAIN
ITV upsets viewers after dropping the second episode of Pushing Daisies

BRILLIANT BAFTAS
Anybody who is anybody in TV land was at the London Palladium for the 2008 BAFTAs

Audio

Links List
- Stop knocking Jay-Z
- Jay-Z sold out
- Win Iron Man premiere tickets
- Iron Man
- Iron Man
- Breaking the Daisy chain
- Pushing Daisies
- Pushing Daisies

Display:
- All Links
- Visited Links Only
- Unvisited Links

Sort Links:
- In Tab Order
- Alphabatically

Move To Link
Activate Link
Cancel

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Repeated links on mobile

• Increased scrolling
• Long links hard to read
• Capitalisation
• Longer page downloads
• Higher charges
One solution for web and mobile

• Skip to:
  – Content
  – search
• Low graphic link
• Accessibility help link
• Access keys help
Similar solutions

- **Mobile Web Best Practices (MWBP):** best practices for making web sites usable on mobile devices - DRAFT.
- **Web Content Accessibility Guidelines (WCAG):** guidelines for making web content accessible to people with disabilities.
The relationship

- Relationship between MWBP 1.0 and WCAG - DRAFT
  - MWBP and WCAG 2.0 - DRAFT
  - From MWBP to WCAG 1.0 / MWBP to WCAG 2.0 - DRAFT
  - From WCAG 1.0 to MWBP 1.0 / WCAG 2.0 to MWBP - DRAFT
Conclusions

• Many web sites have already adopted WCAG
• In many countries compliance with WCAG is mandatory
• Mobile web is becoming increasingly important especially in developing countries
• Reduced cost and effort if both are implemented together
• Reinforces the business case for accessibility
• Better overall access for all users
Resources

- Web content accessibility and the mobile web – an introduction
  - Experiences Shared by People with Disabilities and

- W3C Mobile Web Initiative
- Web Compatibility Test for Mobile Browsers
- Web Accessibility Initiative

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谢谢 / Thank you
The solutions side by side

• MWBP partly derived from WCAG
• Web sites that meet WCAG or MWBP go a long way to supporting the other
• Compliance with one doesn’t mean compliance with another
• There is no direct mapping between the two, as there are subtle differences
• MWBP is not prioritised, WCAG is
• Test both with users and mobile devices. Early and often.
China.com mobile access

- **China.com**: viewed using Opera 9.27 “small view”.

- **Sharred issues:**
  - Lack of skip links
  - Large volume of links
  - Large and abundant use of images