

# 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...**

# Demo

## [www.thisislondon.com](http://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

The screenshot shows a 'Links List' dialog box with a list of links and options for display and sorting. The list of links is as follows:

- 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

The dialog box has two sections for options:

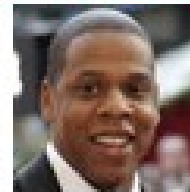
- Display:**  All Links,  Visited Links Only,  Unvisited Links
- Sort Links:**  In Tab Order,  Alphabetically

Buttons at the bottom right include 'Move To Link', 'Activate Link', and 'Cancel'.

# Repeated links on mobile

- Increased scrolling
- Long links hard to read
- Capitalisation
- Longer page downloads
- Higher charges

## 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](#)

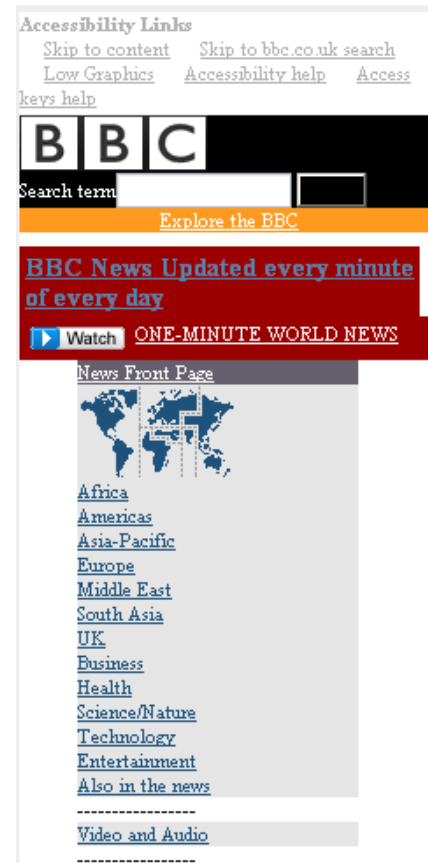
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# One solution for web and mobile

- Skip to:
  - Content
  - search
- Low graphic link
- Accessibility help link
- Access keys help



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# Similar solutions

- **Mobile Web Best Practices (MWBP)**: best practices for making web sites uable 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](#)

谢谢 / Thank you



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# 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



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