# Lab 1

# For your reference, visit this link about Nielsen’s Heuristics

# <https://www.nngroup.com/articles/ten-usability-heuristics/>

# You will use Nielsen's Heuristics a number of times in the HCI module for usability evaluations.

Open an MS Word document and record your answers to each exercise in it. Show your completed lab work to the Lecturer or Lab Supervisor before you leave the Lab today.

# Exercise 1 – Evaluating Web-Sites for Ageing Users

Analyse the following three web-sites with regard to ageing users: you might need to analyse and interpret based on your own judgement, if you have not studied user interfaces before.

Make a note of your observations. You will need them in Exercise 2 below.

<http://www.webmd.com>

<http://www.bookdepository.co.uk/>

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

# Exercise 2 – User Interface Evaluation using Questionnaires

Use your observations, from Exercise 1 above, to complete the following evaluation questionnaire for the three web-sites **webmd.com,** **bookdepository.co.uk** and **wired.com.**

[**https://www.surveymonkey.com/s/3ZQWSJ7**](https://www.surveymonkey.com/s/3ZQWSJ7)

Complete the questionnaire, including positive and negative aspects.

Have the questionnaires produced varying results to your own original analysis in Exercise 1?

# Exercise 3 – How accessible are these websites?

* Analyse the three websites using this tool [**http://wave.webaim.org/**](http://wave.webaim.org/)
* How accessible are they?
* Are there similar problems in all 3?

**Exercise 4 – How mobile friendly are these websites?**

* Analyse the three websites using this tool [**http://ready.mobi/**](http://ready.mobi/)
* Record following for each website:
  + the mobile readiness score
  + the webpage test results: major fails; minor fails; passes
* How mobile ready are the three sites?
* Can you find a website with a higher mobile readiness score?  
  Provide the URL for the site.

**Please ensure that you show your completed lab work to the Lecturer or Lab Supervisor before you leave the Lab today.**