



Evaluating Interfaces using Cognitive Walkthroughs and SUS

COMP2044: Human-Computer Interaction (2024-2025)

Matthew Pike

Workshop Overview

The objectives of this workshop session are to apply two of the evaluation methods discussed in the lecture to a real-world website. Specifically, you'll be performing a Cognitive Walkthrough (CW) and completing the System Usability Scale (SUS) questionnaire.

Task

1. **[Group]** Select either <https://www.nottingham.edu.cn> or <http://moodle.nottingham.ac.uk> to evaluate.
2. **[Group]** Come to a consensus on an appropriate task to complete while performing the CW.
 - The task should be practical and representative of the tasks typically performed by users on the selected website.
 - For example, finding the deadline for a specific coursework is a suitable task to perform on Moodle, whereas attempting to purchase a car is not.
3. **[Individual]** Perform a CW by completing the task decided upon as a group.
 - Each group member should perform the task individually.
 - You are free to use any stage review questions you find useful, but you must include a citation to the source.
4. **[Individual]** Complete the SUS questionnaire individually to evaluate the website's usability experience.
5. **[Group]** Compare the trends and issues that arise from the CW and SUS questionnaire results.
 - Summarise the key findings from the CW and identify any common issues that arose from the individual evaluations.
 - Analyse the SUS questionnaire scores to calculate an average group evaluation of the chosen website.
6. **[Group]** Document your findings in a brief and concise academic style report, including references in APA-7 format, as in previous workshop activities.
 - Utilise tables and diagrams to convey your findings, if necessary.
 - Your entire report (including title, references, and any appendices) should not exceed 2 pages in length.



Submission Checklist

This activity contributes 3% towards your module grade. To receive credit, you must submit:

- ☐ A 2-page PDF document, less than 5MB in size.
- ☐ APA-7 referencing format used for the references.
- ☐ The expected details on the top of the document:
 - ☐ Module code and title;
 - ☐ Workshop number and title;
 - ☐ Group members' names and student numbers;
 - ☐ Submission date;

Each member of the group should submit the same (group generated) PDF to the workshop submission point on [Moodle](#). Members who do not submit the PDF will receive a mark of zero. The deadline for this workshop is 2025-04-14 at 15:00.

Marking

The components against which your work will be evaluated include:

- **Results:** Are the results of the CW and SUS questionnaire clearly presented? Are they interesting and insightful?
- **Writing Style:** Does your summary adhere to an academic writing style?
- **References:** Are your references in the proper format? Do you use citations correctly?

Academic Conduct

This workshop is to be completed in groups. You are expected to discuss the questions with your group members, and develop your answers together. Each group member should submit the same PDF to Moodle - this is to ensure that all group members have contributed to the workshop. You are welcomed to make use of AI tools such as Chatbots, Grammarly, etc. for this workshop (only), but you must acknowledge how you have used them in your submission. Please refer to the [University's Academic Misconduct Policy](#) for further information.