UCLouvain

Institute for Language and Communication

Cyber Range Scenarios (CRS2)

November 8 - Justine Ramelot

Who am I?

- Justine Ramelot

- Research assistant

- August 22, 2022

- Cyber Range Scenarios (CRS2) : generate the most realistic and appropriate training scenarios possible

- Cyber Range: a real-world simulation platform that allows security teams to train (attack and defense), develop their expertise, and manage their human resources planning

- UX team

Prospect Day at Redu on September 23rd

- Cybersecurity Awareness training material
  - Walking through the material allows us to get familiar with jargon, basic learning objectives, key user/trainer tasks
  - Focus on the experience of both trainees and trainers

- Live demos of CITEF and CIRP
  - Two primary tasks: creating a scenario (CITEF) and encoding a ticket (CIRP)
  - Sequences of steps + live comments → understanding of key processes
  - Q&A → how users think about their job + jargon

Compliance with guidelines formulated across 4 criteria: relevance of guideline, respect, recommandation, certainty

Shneiderman & Leavitt (2006)

Examples: guidelines respected

Grouping	Guideline heading	Importance	Evidence
Accessibility	Do Not Use Color Alone to Convey Information	5	4
Text Appearance	Use Familiar Fonts	3	5

Example: guideline partly respected

Grouping	Guideline heading	Importance	Evidence
Lists	Format Lists to Ease Scanning	4	4

Examples: guidelines not respected

Grouping	Guideline heading	Importance	Evidence
Scrolling and Paging	Eliminate Horizontal Scrolling	5	4
Screen-Based Controls (Widgets)	Distinguish Required and Optional Data Entry Fields	5	3

Example: guideline for which we are unsure

Grouping	Guideline heading	Importance	Evidence
Search	Make Upper- and Lowercase Search Terms Equivalent	4	2

Questionnaire under construction

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This survey is currently not active. You will not be able to save your responses.   ✕

Accessibility

*Are CITEF and CIRP also intended for people with disabilities (visual, movement, sound, learning) ?

ⓘ Choose one of the following answers

○ Yes

○ No

Please enter your comment here:

❓ Please justify your answer for CITEF and CIRP in this way :

CITEF : justification

CIRP : justification

Previous

Next

Next steps

- Survey research to complete the guideline analysis
  - Oct-Nov 2022 (survey, analysis, reporting)
  - 20 questions x 20-30 minutes x **10 participants**

- Formulation of (re)design ideas (Dec 2022)

- Test-and-refine of (re)design ideas (Dec 2022 – Feb 2023)
  - Low fidelity prototype (sketch) + informal online validation
  - Iterative and incremental improvement of the (re)design proposal and reporting

Thank you