

INF1403 – Avaliação de Comunicabilidade (2/2)

Turma 3WB

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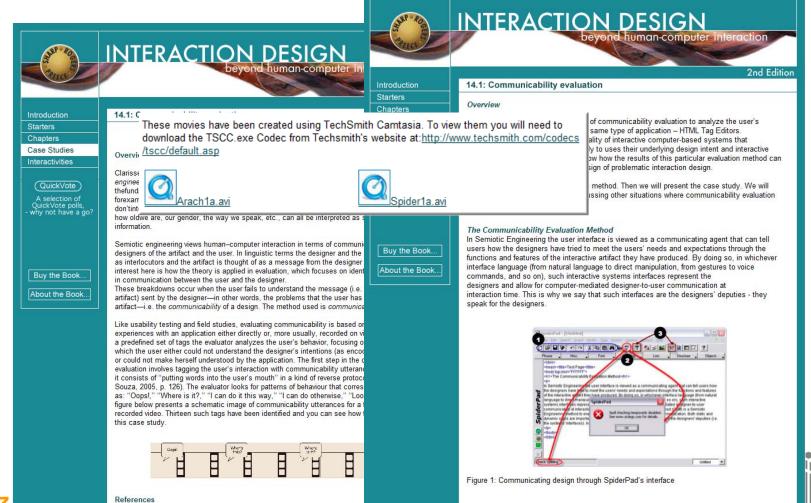
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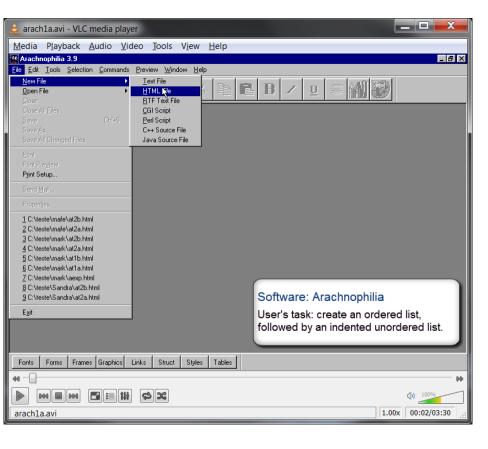
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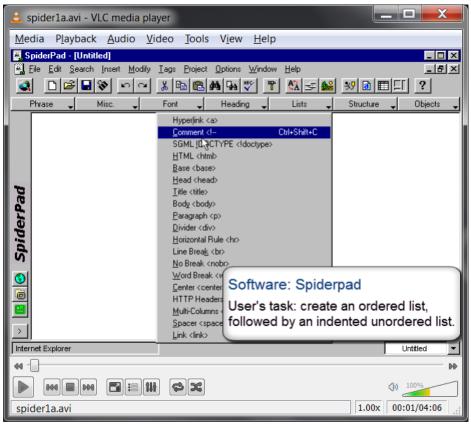






Comunicabilidade de 2 editores de tags HTML











Informações gerais do estudo

- 10 participantes com diferentes perfis de conhecimento sobre HTML (grupo de alta variação, interessante para estudos exploratórios)
- Atividades de edição:
 - Listas aninhadas de itens (+ fácil)
 - Troca de cor de fundo da página (fácil)
 - Criação de tabela (- fácil)
 - Fusão de 2 células da tabela (difícil)
- 2 sub-grupos
 - Ambos realizaram a tarefa de criar a página NOS 2 EDITORES
 - Um sub-grupo começou pelo Arachnophilia; outro pelo SpiderPad







Narrativas para 2 "clips" colhidos no estudo

- Atividade: criação de listas aninhadas
- Explicação das etiquestas nos filmes
- arroz 2. frutas abacaxi hanana

An example of the Participants' Activities

In the first task, users were asked to create a white page, with two lists; a numbered list with 2 items, and an indented bulleted list of 3 items (all items are words in Portuguese):

- - 2. frutas
 - abacaxi

Em: http://www.id-book.com/casestudy 14-1 2.htm

Two examples of the test records

The following is a description of movies <MOVIE LINK1> and <MOVIE LINK2>

User's interaction with Arachnophilia:

The user first creates a new page (File > New file > HTML file). He sets the background and text colors as white and black, respectively. Next, he locates the TITLE tag and types in the title of the web page. He opens the Struct and Styles toolbars, possibly looking for a list wizard. For the numbered list, instead of using specific HTML tags, he types in the numbers, dots, items. For the bulleted list, he browses the toolbar buttons, possibly looking for a list wizard. He shows the "Struct" toolbar and opens the List Wizard dialog box, hesitates hovering between the Create and Hide buttons, and finally dismisses the dialog box by clicking on the "X" close button located at the top-right corner of the box. He then clicks on the LI button on the Struct toolbar, and the application inserts an tag on the document window. He then types the first item of the bulleted list, followed by carriage return. He types the remaining items without the tag. He hovers over a few toolbar buttons, and returns to the LI button. He moves the cursor to the beginning of the second list item, and < clicks on LI. The application then inserts the second tag. The user then moves to the beginning of the third list item, and clicks on LI again, to insert the third tag. He starts to browse the Struct toolbar buttons again, possibly looking for a way to indent the whole list. He shows the Graphics toolbar, shows and hides the Forms toolbar. He goes back to the LI button, hesitates over it but presses the neighboring Bot button, which inserts an application-specific tag. He deletes the tag, hesitates a little bit, moves the window, scrolls the document up and down, and declares that he has completed the task.







Entrevistas pré-teste e pós-teste + Anotações do observador

Pré-teste

Pre-Test & Post-Test Interviews

The pre-test interview asked participants about:

- 1. What kinds of tools did they use to create HTML pages?
- 2. How did they do it?
- 3. What tools did they use to modify existing pages?
- 4. How many HTML pages had they already created?
- 5. What level of expertise in HTML did they think they had?
- 6. What was their favorite text editor?
- 7. What operating system did they use (for web publishing and related activities)?

Pós-teste

In addition to disambiguating portions of the observed interaction, in the post-test interview the evaluator asked participants about:

- 1. What were the perceived differences between Arachnophilia and SpiderPad?
- 2. Which of the two editors did they prefer and why?
- 3. What kind of user did they think the HTML editors were designed for? Why?
- 4. Which frequent tasks did each editor support best? Why?
- 5. Did they think they were targeted users of Arachnophilia and/or SpiderPad? Why?
- 6. In which of the two editors is it easier to create a table? Why?
- 7. In which of the two editors is it easier to modify a table? Why?

Entrevistas servem para dar base de interpretação para os avaliadores

Observer's Annotations

Here are two examples of useful annotations made by the observer during the interactive sessions.

"Participant X is typing the HTML tags directly; only uses the editor's tag tools if he is not sure of which tag he should use (+ attributes, etc)." [Notice the observed reason for the participant's not using some of the editor's tag tools. This reason is inferred from various observed signs: the participant's typing speed, body posture, facial expression, etc.] "Because Participant Y has used Arachnophilia first, he is confused with SpiderPad's blank page – is there additional code hiding somewhere? See how he opens the edited page code in Notepad (!) in order to see if there is something else there." [Notice the observer's instant interpretation of what is going on in this participant's mind. This interpretation is supported by the whole context of the text, in which the observer is fully immersed.]

Anotações do observador dão valiosas pistas contextuais





Tabulação e Interpretação

- Análise qualitativa da frequência e distribuição de etiquetas:
 - No total (todos os participantes, todas as tarefas, todos os editores)
 - Por participante
 - Por tarefa
 - Por editor
 - Por sub-grupo
- O que se pôde concluir?







Conclusões mais gerais

- · O que 'pareceu mais fácil' aos usuários, revelava porém mais questões de comunicabilidade
- · Ambos os editores geravam difficuldades na primeira situação de uso
- · O estilo de comunicação era muito claramente distinto (+ 'conversacional e informativo' no Arachnophilia;
- + 'funcional e seco' no SpiderPad)
- · Comunicabilidade não é só falar muito ou mais; é falar o necessário, na hora certa, da forma certa.

- First, both Arachnophilia and SpiderPad caused considerable problems of
 navigation for the participants (a high frequency of "Where is it?"). It was
 also difficult, in both editors, to assign meanings to many interface symbols.
 But the frequency of meaning-assigning problems with SpiderPad was higher
 than with Arachnophilia. This is a curious result, given that most participants
 explicitly said, in the post-test interview, that SpiderPad was easier than
 Arachnophilia. However, the frequency of communicative breakdowns
 directly associated to (sub)task failures ("I give up" and "Looks fine to me")
 was slightly better in SpiderPad (31 hits) than in Arachnophilia (36 hits).
- Second, Arachnophilia was somewhat more conversational than SpiderPad, in that it had a smaller number of hits (97) than SpiderPad (108) for tags like "Where is it?", "Oops!", "What's this?", "What happened?" and "Why doesn't it?". This observation is in line with the kind of discourse we find in each editor's help contents. SpiderPad's help is terse and impersonal (e.g. the designer gives the following instruction for adding a row/column to a table: "To add a row or column, select a cell and click the appropriate button. Rows are added above the row of the selected cell, and columns are added to the left of the selected cell."). Arachnophilia's help style, however, is quite the opposite. The designer directly addresses the users and explicitly stands as the first person in discourse (we even know the designer's name), as evidenced by phrases like "I can't know what your background is or how much you know about computers, so you may choose..." (help content for topic How to make your own page). Moreover, in Arachnophilia help is organized in a tutorial way, whereas in SpiderPad it is organized in a functional way.

Interpretation

This step consists of tabulating the gathered data and mapping the utterances onto HCI ontologies of problems or design guidelines. This step must be done by an HCI expert, unless the mapping has been predefined. In this case, designers can benefit from some sort of automatic mapping and obtain a mechanically consented discontinuous data.

	Navigation	Meaning Assignment	Task Accomplishment	Declination / Missing of Affordance
I can't do it.				
Looks fine to me				
Where is? What now?				
What's this? Object or action?				
Why doesn't it? What happened?				
Oops! I can't do it this way. Where am I?				_
Thanks, but no, thanks. I can do otherwise.				







Referências em língua portuguesa

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