



NOVA SCHOOL OF  
SCIENCE & TECHNOLOGY

**Interação Pessoa-Máquina**

**2024/2025**

## **Troca Tintas**

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Stage 6 - Evaluation results and presentation of  
the final project



**Authors:**

69273, Rodrigo Neves  
70730, Rodrigo Correia  
70731, Carlos Pereira  
70750, Rafael Costa

**Lab class Nº P2**

**Group Nº 16**

**Professor:**  
Teresa Romão

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## Received Feedback

During the preceding phase, the team 13 conducted a heuristic evaluation of the delivered prototype and delivered the following feedback:

Nº	Problem	Heuristic	Description	Severity	Solution
1	Text has poor contrast with background	Aesthetics and Minimal Design	Black text over dark background/White text over yellow background	3	Change the background to use lighter colors and the text to use darker colors
2	No feedback when adding product to cart	Visibility of system	There is no confirmation popup when a new product is added.	2	Add a popup confirming the change when a product is added to the cart
3	Color Picker page title incorrect	Consistency and Standards	Color Picker page title is "Color Comparator"	3	Change title to "Color Picker"
4	Functionality purpose not explained	Help and Documentation	Color Picker, Color Comparator and Drop Schema pages purposes and way of use not explained		Add a brief description at the top of the page of the purpose of the functionality and how to use it.
5	No link between login and register forms	User Control and Freedom	No way to go from one form to the other without having to go through the home page	1	Add a hyperlink in the login/register form to switch between
6	Can't change product amount before checkout	Flexibility and efficiency of use		2	Add the same product component from checkout to the cart popup
7	Login and register form with empty space	Aesthetics and minimal design		1	Adjust the size of the form to the content

Following the heuristic evaluation, several modifications were undertaken to address the identified issues. Nevertheless, certain recommendations were not

implemented as they did not align with the intended usage model, particularly considering that the conceptual target users are already acquainted with the business framework. The subsequent sections delineate the specific changes made and provide justifications for the decisions not to incorporate certain feedback.

1. **Contrast and Visual Design:** Enhancing readability remains a priority; however, fully resolving the contrast issues would require substantial modifications to the existing design. Since the current design is a fundamental component, we aim to preserve, no alterations were made to the color comparator to maintain the overall aesthetic consistency. Adjustments were, however, implemented in other areas to improve contrast where feasible;
2. **System Feedback:** A confirmation popup was not incorporated to notify users when a product is added to the cart. This decision was driven by the objective to maintain simplicity in the web application's design, avoiding additional elements that could complicate the user interface;
3. **Consistency of Labels:** The title of the "Color Picker" page has been corrected to accurately represent its functionality, ensuring consistency and clarity across the application as it was an unseen typo;
4. **Functionality Explanation:** After careful consideration, we opted not to include descriptive text at the top of functionality pages. The target user base is already well-acquainted with the tools provided, making additional explanations redundant and unnecessary;
5. **Navigation Between Forms:** Links between the login and registration pages were not added. It was determined that such links would be redundant, as users can effortlessly switch between forms by exiting the modal and selecting the desired option. Introducing redirection links was deemed unlikely to provide significant enhancements to the user experience;
6. **Cart Management:** The functionality to modify product quantities directly within the cart was not implemented. This decision was based on the observation that users typically adjust quantities within the main shopping cart page rather than the shopping cart modal, aligning with common user behavior patterns;
7. **Form Sizing and Layout:** Due to certain technical limitations within the prototype, the issue of excessive empty space in the login and registration forms was not addressed. Nonetheless, given that this is a prototype stage, the issue has been classified as low priority and is not expected to significantly impact overall usability.

In conclusion, while the project is certainly feasible, it is evident that the development process requires a more focused approach, particularly concerning the front-end aspects. This necessity arises because our current team is primarily composed of back-end developers, who may lack specialized experience in front-end development. Addressing this gap is crucial to ensure a well-rounded and effective development effort. Despite this challenge, the project has provided valuable insights and learning opportunities. The concepts and skills acquired during its execution are highly beneficial and will undoubtedly be applied to future projects, enhancing our overall development capabilities.