



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina
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EasyDish

Stage 6: Evaluation results and Final Report



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Analysis of the report received

Upon receiving the report of our colleagues containing the heuristic evaluation, we started to fix some of the problems and identified the solutions to other unfixed problems. After carefully considering each evaluation, we came up with the follow results:

N° 1

Problem: It is possible to receive notification of the end of one of the steps in a recipe without actually having finished it.

Description: I received a notification that step 3 of making “Duck Rice” was done when the timer hadn't reached zero yet. I also received a notification that step 1 of this recipe had finished even though I had stopped the timer for this step.

The cause of this problem must be that the timer on the backend doesn't stop when the “Stop Timer” button is pressed.

Solution: We tried replicating this error with custom recipes and the recipes shown above and weren't able to replicate it. There might exist a small bug on the application that makes this error happening or the error is specific to the APK.

N° 2

Problem: You can press the “Start Time” button when the corresponding timer is set to “00:00”

Description: When the timer for a step is set to “00:00”, you can try to start that timer again, causing the application to send the end-of-task notification.

Solution: We couldn't replicate this error so we changed it so when the timer reaches the “00:00” mark, the button changes to “Restart Button” and the timer restarts again.

N° 3

Problem: You can only increment or decrement the number of counters from unit to unit.

Description: If the user wants a high number, they have no option but to press the increment button several times, which may be inconceivable in some situations

Solution: We changed the code so that now there is a square box where the user can put the exact number of servings they want.

N° 4

Problem: It is possible for the same user to create several reviews for the same recipe.

Description: Once a user has reviewed a recipe, the application does not prevent that user from creating a new review for the same recipe.

Solution: This error wasn't fixed, but if we would fix the error we would change the “Rate Recipe” button to “Edit Review” if the user tries to rate a recipe two or more times.

Nº 5

Problem: Once you have added an ingredient to a new recipe, the system does not allow you to edit or remove it

Description: When you add an ingredient to a recipe, the system doesn't give you any option to change the quantity of that ingredient or remove it. Therefore, if the user makes a mistake with the measuring quantity of an ingredient or adds the wrong ingredient, they have no option but to start creating.

Solution: We haven't fixed this error, but if we would fix the error by adding a small (X) button to the side of each ingredient so the user can correct their mistake.

Nº 6

Problem: It's not clear how to add steps to a recipe on the initial recipe creation page

Description: The user may be confused by the fact that there is no information about adding steps to the recipe.

Solution: Fixed the problem by renaming the button and putting a separator to highlight the "Add Steps" button.

Nº 7

Problem: Due to the way steps are added in this system, it is not possible to check or change the steps created.

Description: It is not possible to go back and check if one of the steps has been written incorrectly, so it is necessary to ensure that all steps are valid before finalizing the recipe.

There is no confirmation pop-up for publishing a recipe, which also makes it easier for errors to occur.

Solution: We haven't fixed the error, but we would put a (X) button so that the user can correct their mistakes.

Nº 8

Problem: It is not possible to edit a recipe published by the user

Description: As the system does not implement the functionality to edit recipes published by the user, it is not possible to delete errors made during the creation of the recipe, nor is it possible to update the recipe information.

Solution: We haven't fixed this error, but we would add a new option to the profile of the user that would make it so they could update/edit their recipe.

Nº 9

Problem: The user can add any type of label, not just those defined by the filters

Description: The fact that it is possible for the user to create labels that are not those defined by the system means that a recipe may not have labels that can be used in the filters.

Solution: We decided to maintain this functionality as it is as it would give freedom to the user to add the tags that they would like, not being restricted to a limited selection of tags. This is also due to

the fact that, before publishing the recipes to the system, they would have to be approved by moderators.

N° 10

Problem: It is not possible to remove tags added to a recipe

Description: Once you've added a tag to the recipe you're creating, the application doesn't offer any way to remove the label. As such, if the user makes a mistake when adding a tag, the only way to remove it is to start the recipe creation process from the beginning.

Solution: We didn't fix this error, but we would add a small button so the user can remove any tag and fix their mistakes.

N° 11

Problem: The system contains no help section or documentation

Description: Although the system is easy to understand and use, it is always useful for an application to provide help resources for the user's benefit.

Solution: We didn't fix this mistake, but we could fix it by adding some tutorials or guides/documentation for the user.

N° 12

Problem: Unconventional way of identifying the quantity of food

Description: The way in which the quantity of the food is identified is unconventional, as it doesn't have a representative image and instead has a text with the type of quantity of the food in question.

Solution: We didn't fix this error, but we would have a list of pre-existing ingredients with their corresponding images and quantity formatted so that the user would have an easier time putting ingredients to the shopping cart and counting them (with their respective quantity).

N° 13

Problem: There is no security mechanism to protect the user from accidentally deleting bookmarks for recipes

Description: It is essential to have a pop-up before the product is deleted from the bookmark, as the user may accidentally hit delete

Solution: We didn't fix this mistake, but we would add a list of recently deleted bookmarks so that the user could go back from deleting bookmarks and a pop-up check to make sure no error is committed.

N° 14

Problem: The log-in pop-up and password recovery page do not follow the application's color pattern or the same typeface

Description: The application must follow a color standard established in the early stages of implementation.

Solution: We changed the “forgot password” screen to have the same colour scheme as the rest of the application. We did not fix the pop-up screen as we believe it is consistent with the colour scheme of the application.