FACULDADE DE CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE NOVA DE LISBOA

Interacção Pessoa-Máquina

2020/2021

Foodie

Stage 4: Computational Prototype

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November 30, 2020

URLS:

- Marvel prototype
- Computational prototype
- Project's website

Startup instructions:

In order to use the application you must have an android phone and install the provided apk into the said phone. To do so, simply download the file from the provided google drive link, drag the apk from the computer to your phone's internal storage, find the apk file on your phone and install it. To do so, you might need to allow installation of apps from sources other than the Play Store. Finally, find the app and run it, simply clicking on the Foodie icon.

If you wish so, you can run the app using the android studio emulator. In order to do it, you must follow the following instructions:

You can either simply drag and drop the apk file to the emulator, or if that does not work follow the steps indicated below:

1. Run the emulator, and wait until it's completely started.
2. Go to your sdk installation folder then go to platform-tools (you should see an executable called adb.exe)
3. Create a new file and call it run.bat, edit the file with notepad and write CMD in it and save it.
4. Copy your desired apk to the same folder
5. Now open run.bat and write adb install "foodie.apk"
6. Wait until the installation is complete
7. Now your apk is installed to your emulator.

Briefing for the test users

Our app's concept is essentially a social cookbook. It's purpose is to provide an efficient way to access, manage and search for new recipes, whether this is for practical or creative purposes. When looking for recipes, there's a need to write down the recipe and its ingredients as well as registering which ones to buy. Our app provides features that make this task easier. Additionally, it encourages the users to be part of a community of people they may or may not know, with whom they can interact, share recipes, cooking tricks and inspiration with.

When testing the app, you'll be automatically signed in as the user "Joaquim". This user has already posted some recipes, as well as saved some other user's recipes in his personal repository. To test the app, you should execute the scenarios specified in the "Scenarios" section and read the "Compromises" section.

Scenarios

Searching for a recipe

The user is having his friends over for dinner tonight, but he doesn't know what to cook for dessert. He wished to know the recipes of his friend Joe, who is a professional chef, that are always delicious. The user remembered that his friend **"Raquel"** loves to share his recipes in the app "Foodie". He decides to look for his friend in the application and chooses the **"Pancakes"** recipe that he remembers eating the last time he visited his friend. Now he can make the same mousse as his friend.

Save and organize recipes in personal repository

The user can never remember the **"Pancakes"** recipe of his friend **"Raquel"**, so he has a book where he keeps all the recipes of his friends. Unfortunately, he has tons of recipes, and it is hard for him to find the **"Pancakes"** recipe, he must look through all the recipes in the book to find it. To solve this problem the user started using the application "Foodie". In the app he can save all the recipes he sees, simply by saving and choosing the folder "**Desserts**" of his repository where he wants to save it. Now he can find the mango**"Pancakes"** recipe more easily by going to his "**Desserts"** folder in the app.

Publishing a recipe

The user just cooked some great lasagna for his friends and some of them asked him for the recipe. Sending the recipe to each of them would take a long time, and then if someone else later asked him for the recipe, he would have to send that person the recipe again. To save time, the user uses the application "Foodie" and shares the recipe in the application, where he only has to do it once. He must insert the name of the recipe, the ingredients, the steps that must be followed and upload a picture of the lasagna at/in the end.

Compromises

In this section, we'll state some simplifications we took in our approach to develop this high fidelity in look prototype, that you should take in account when testing.

Our application is able to execute all the proposed scenarios. Considering the dead line, we found it better to focus solely on these in order to minimize the possible quality loss of trying to implement too many features (that would mostly be backend focused), focusing instead on implementing as many views as we could. This being said we choose not to implement: Register, Login, Logout, edit and delete account/profile or posts, "Coop" and "Shopping list" functionalities, likes and ratings. Some of the buttons to execute these features can still be found on the app but won't actually perform any action.

Some aspects to consider when testing:

- When searching for a recipe or user, you should write the full name of the item you're looking for. We do not intend for this to be the case in the final application.
- In some cases, the phone's back button doesn't work. Although this is not ideal, since our navigation doesn't go deeper than two views, this button has a similar effect to clicking on one of the tabs.
- When saving a recipe to a folder, there's an option to create a new folder. When doing so, a folder called "New Folder" will appear in this list, without any option to name the folder. This serves only as an example of what adding a folder would look like. In the real application this should be possible. Additionally, if the user adds a new folder, and then doesn't select the folder to save the recipe, a folder will still be created with the recipe's image.

Tools

We developed our application in Android Studio using Java, xml for the layouts and SQLite for the database.