NOVA NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

**Interação Pessoa-Máquina
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GoGrocery

Stage 4: Functional prototype

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URL for GoGrocery prototype:

go-grocery-two.vercel.app

Github project URL:

https://github.com/JoaoSouzaeSilva/GoGrocery

Website URL for the IPM course:

https://dg-pereira.github.io/IPM-Site/

Startup instructions

GoGrocery's development was predominantly focused on web use for big screens and web use for small screens, so there is no downloading action related to testing GoGrocery.

Our prototype was developed using tools such as Ionic Framework, React js, TypeScript and for styling, CSS and SCSS. In order to provide a smooth experience and high fidelity in feel for our users and testers while keeping the backend's development superficial, GoGrocery's backend is heavily based on the use of Local Storage as its database. Therefore, anything that would have been kept in a database is kept in Local Storage, which is clearly questionable in terms of security but for the purpose of prototyping it is sufficient. Do not use a password that you use for other services, as all information is stored in plain-text on the device storage. You can use a simple password like "123456".

To test the website, use a chromium-based browser, (like Google Chrome, Microsoft Edge or Brave) or Safari, since there are some issues when using the website with the Firefox browser.

In order to start using the app, the user must first Sign Up, and afterwards Sign In with those credentials. The user will then be met with a main page where they can choose to create a new grocery list to shop, or shop with a saved grocery list. If the user chooses to create a new list, a product page with various supermarket goods will be shown that are able to be selected and added to the grocery list by the user, they can also easily be removed. Once finished with the list, the user then moves to select their preferred itinerary, and as soon as they're finished with the itinerary, the user will be asked if they want to save or discard this new list. If in the main page, the user decides to select a saved grocery list, a page with the grocery lists will be displayed and upon selection of one, the itinerary page will be shown.

Context

Nowadays, consumers are manipulated by the overall shopping experience. By using happy music, bright colors, large letters, and having only one entrance, supermarkets plan to rob you of your time and money. They make you want to stay there longer and spend more money on things you probably do not need.

Not knowing where things are placed or not having a grocery list prepared before going shopping can make the experience unpleasant and overwhelming, making the consumer waste more time and possibly more money.

Our main vision is to help people "Have it their way". Either they want minimal time shopping or to look through all the discounted items, the app will calculate an itinerary made to suit the user's needs. The app will allow for the elaboration of a grocery list with the exact products available in store, then when the list is done and all the shopping preferences are selected (like time wise, order wise, etc) an itinerary will be presented. This itinerary will make grocery shopping a more pleasant experience.

Briefing

At this point, you are new to GoGrocery, since you heard such nice things about this revolutionary website, you knew you had to try it. So, all you need to know is that you currently have no account created and it would be a good idea to create one.

Scenarios

Note: the scenarios had to be adapted to fit the actual implementation of the website, as some were impossible to do. For example, one of the scenarios required that a user was already logged in, and with lists saved, which was impossible to do since our database is the Local Storage and is clear on each user's first experience. For this reason, we wrote some new scenarios.

Ideally, the scenarios are followed in sequential order to make sure all requirements for a scenario are met.

Scenario 1

Horace, a forty three year old with two sons and one daughter, drops his kids off at their extracurricular activities. When he arrives at the FCT's Lidl supermarket next to his kids' school, he remembers that his cousin John told him that he always used the GoGrocery website when doing groceries. So he decides to try it out, he takes out his phone and immediately opens GoGrocery.

First he wants to find out more about GoGrocery and then, after registering and logging in, he wants to check his personal information on the website.

After finishing his browsing, Horace knows he needs to shop with a new list. He already has some things back at his place, and for that reason, he will only add a few things to his list. He decides to add four hamburgers, along with three sweet potatoes, two red peppers, two bunches of grapes and one pineapple. He then also selects a rose bouquet as a gift to his wife. After adding all these items to the list he needs to check if he made any mistakes by checking his list of items. Upon finishing gathering his items, he decides to go for the "Fast route" since he wants to finish with groceries quickly .

After all this he decides not to save this list since it was a once in a lifetime recipe.

Scenario 2

Horace has some friends coming for dinner tonight, and enjoys inviting them over quite often, so he decides to open GoGrocery before going shopping on Mercadona Montijo.

Horace knows he needs to shop with a new list. He already has some things back at his place, and for that reason, he will only add a few things to his list. He decides to add eight chicken legs, along with three broccoli, a dozen eggs, two avocados and one bag of bagels. After adding all these items to the list he needs to check if he made any mistakes by checking the list of items. After finishing gathering his items, he decides to go for the "Discount route" since he wants to save where he can.

Finally, he is ready to go to the store with his itinerary calculated. He decides that it would be a good idea to save this list as "Friends Over Night" since his friends come over often.

Scenario 3

It has been one week since Horace saved his "Friends Over Night" grocery list, and today, he also invited his friends to join him for dinner and play some board games together.

His friends accepted and said they really loved last week's dinner, so they asked Horace if he could simply do it again. Fortunately for him, he saved his grocery list with GoGrocery.

So, planning on shopping on Mercadona Montijo again, Horace opens GoGrocery on his computer, and he selects the "Friends Over Night" grocery list that he has saved. He confirms all the ingredients just to make sure he did not forget anything, then he decides he liked the "Discount route" last time and decides to take it again, and on he goes to the supermarket.

Incomplete parts

- In the itinerary page, the itineraries are not generated according to the list that was put together by the user. When the user selects a certain store or route, a predefined image is selected from a set of prepared images. Also, in the final app we imagine that there would be a GPS system that would display on the page the location of the user inside the store. This was not implemented.
- In the itinerary page, filtering of stores with the search bar and adding new items to the list also through a search bar were not implemented. Both these search bars are disabled. Keep in mind that although the search bar to search for stores is disabled, you can still choose a store below it.
- All GoGrocery website pages are responsive to resizing, web and web mobile use, with the exceptions of two pages: the page where you choose items for a new list and the itinerary page. We simply did not have time to work on the conditional styling of these pages.

The team at GoGrocery thanks you for your time.