A picture containing text, clipart

Description automatically generated

**Interação Pessoa-Máquina**

**2023/2024**

**CartGuru**

Stage 4: Functional Prototype

Uma imagem com clipart, emoticon, sorriso, desenho

Descrição gerada automaticamente

**Authors: Lab class Nº P1**

58592, Vasco Malta **Group Nº 3**

60127, João Ribeiro

60590, Pedro Gasparinho **Professor:**

60811, Tiago Meirim Teresa Romão

Month 11, 2023

**Prototype**

Our prototype is available to download at: …

The following tools were used to develop it:

* React Native
* Typescript
* Miro
* Many React Native libraries such as:
  + React Native Async Storage
  + React Navigation
  + React Redux
  + Redux Toolkit
  + React Native Vector Icons

**Briefing**

Our app, CartGuru, was created with the purpose to give our client the necessary information to make conscious decisions with their purchases in what supermarket.

The app has the feature to create a shopping list and find the best supermarket according to the user’s criteria, for example location, price, etc. It’s also important to note that the prices get update via a well-established community. Finally, we also have another feature to track expiry dates and receive notifications before your products get spoiled.

**Scenarios**

Scenario 1

Mrs. Jane was on her way home after work thinking about what she could make for dinner, she immediately thought of making açorda, however she remembered that her husband and kids ate toasts with the remaining bread for breakfast. The store she usually goes to is quite far from her way home, so she decides to try CartGuru, a mobile app she recently downloaded, that lets her find products at the best price nearby. Mrs. Jane is in a hurry, so she wants to find the route to a store that sells bread within 50 meters of her current location.

Scenario 2

Mr. Samuel is an avid CartGuru user, so he already has an account and frequently interacts with the community. A few days ago, he saw a post in the community of a chocolate bar he never tried, so while he was shopping, Mr. Samuel went to the chocolate aisle and found out it was even cheaper in his supermarket of choice. To alert other users, Mr. Samuel decided to share it on CartGuru.

Scenario 3

Mr. Ruy loves caramel nuts, and the last time he went to the supermarket he overbought them as they were on sale, but, unfortunately, he couldn’t eat all the nuts within the expiry date. Mr. Ruy told this story to a friend of his, Mr. Samuel, which in turn recommend him CartGuru to take note of expiry dates and receive notifications to avoid it. Mr. Ruy listened to Mr. Samuel’s advice and the next he bought a nut sack and he registered the product’s expiry date in the app

Scenario 4

Mrs. Jane after eating an amazing açorda realized how useful the app was, she decided to explore the app a bit more, but soon realized she hadn’t deleted the bread entry from her shopping list, which she doesn’t need anymore.