

Mara's sweets and savory 🍰🥨

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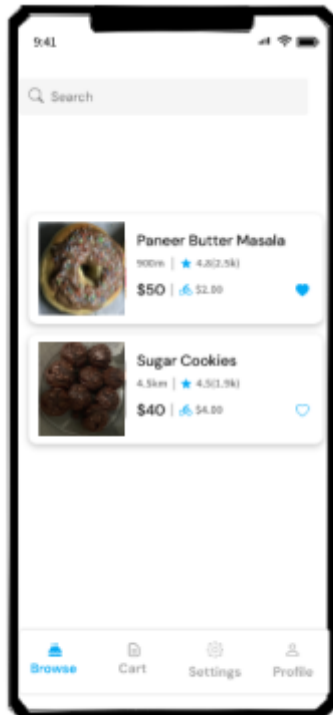
High level description 📈

The *Mara app* will be implemented with Flutter. It will implement various code functionalities in order to provide a user friendly interface for a hypothetical client to order sweets and savory. The app will implement the majority of the features of a classic shopping application. Finally, *Mara's app* will use the following hardware features and resources:

- Internet
- Database
- Camera
- Sensors (e.g. GPS).

We will take the liberty of adding one or more features or slightly modifying the ones above.

Main mock-up



Functionalities description

Mara's Sweets and Savory will include numerous functionalities and views. E.g., it will implement 4 views:

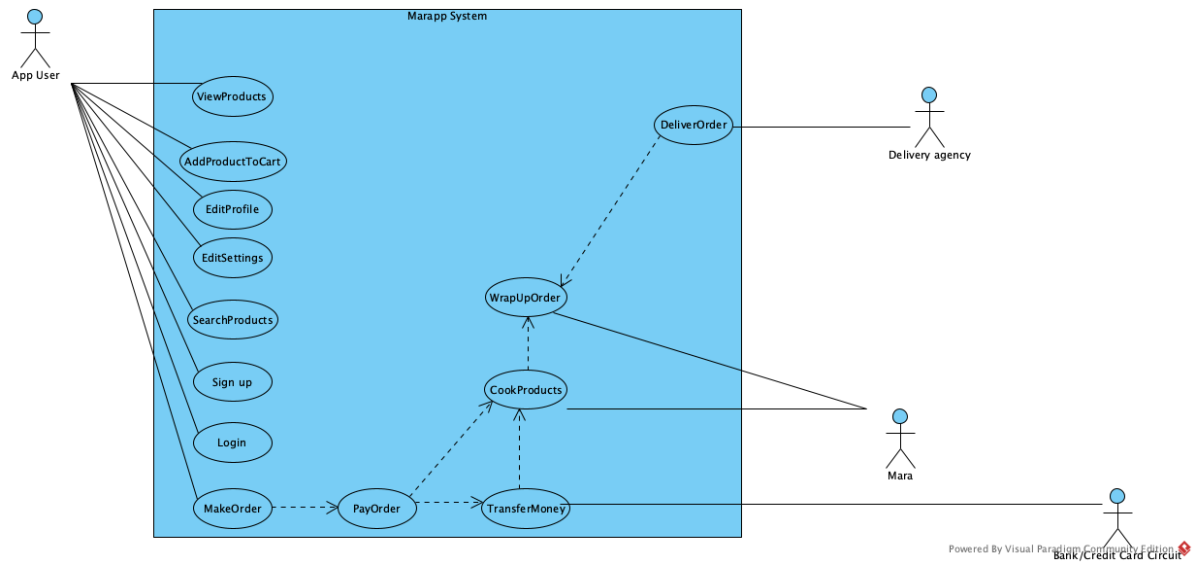
- **Profile view**, where the user can see his/her profile, the order history and edit it
- **Products view**, where the user can see the list of products and add them to the cart
- **Cart view**, where the user can see the list of products in the cart and remove them
- **Settings view**, where the user can set the preferences wanted

Additionally, the app will implement a login/signup view, to be visualized only the first time the app is opened or if there is not a (working) token saved in the local storage and a **push notifications system**.

The functionalities of the app will include:

- **Search bar**, to search for products by name, and a filter to filter the products by category or price
- **Add/remove to cart button**
- **Edit profile button**
- **Edit settings button**
- **Login/signup/logout button**
- **Order button**, to confirm the order
- **Browse mode**, inside the products view, to see the products in a grid or list view

Use Case Diagram



Why Flutter ?

We have chosen Flutter because it is a framework that allows us to create applications for mobile, web and desktop from a single codebase. Moreover, we have been very impressed by the Wikicasa presentation about Flutter and we wanted to try it out. Additionally, we have chosen Flutter because it is a very popular framework, it seems to have a simple learning curve, Firebase can be easily integrated with it and we like the C-like syntax of Dart.

That is all for the introduction, let us start coding! 