



# Fraunhofer

## PORTUGAL

### PERSONAL FINANCESAPP

#### PERSONAL FINANCES MOBILE APPLICATION FOR SENIORS

PersonalFinancesApp is a mobile application developed for Android smartphones that targets the senior audience. The main goal of the application is to facilitate the management of seniors' daily finances.

#### Context

Nowadays, and with the evolution of medicine and technology, seniors around the world are living longer and healthier. Technology has a great potential to benefit seniors because it allows them to retain a high level of independence and control over their lives. This independence can be achieved through many ways and one of them is finances management.

Older adults often take great cautions with their savings, however, due to their age-related changes the personal finances management can become an extremely hard task to accomplish.

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#### Interviews

A thorough investigation of the end-user's limitations was necessary to collect more detailed information and, with that, define the requirements that



Fig1. PersonalFinancesApp Prototype.

our application would include, in order to meet the user's needs. With the right questions we could explore a wide range of concerns about money management, and with the freedom provided by the informal interview environment, the interviewees were able to further talk about their matters.

#### Low and High Fidelity Mockups

During the interface development, there was the need to start giving shape to the system with simple and quick layouts that would demonstrate

## Features

- Record expenses and incomes
- Assign the incomes and expenses into different categories
- Schedule and get reminders about payments
- Keep records of financial movements
- View statistics of expenditure and incomes
- Support tools such as a Calendar
- Password protected



Fig2. Low and High fidelity prototypes.

the general look and feel of the interface (Fig2).

## Card Sorting and Usability Tests

The validation and evaluation of the application with the target users, was made using two different approaches. First, a card sorting session was performed to ensure that the icons and the features' flow was right. Secondly, two phases of usability tests were executed with the goal of testing the application features (Fig3).

## Final Solution

The developed application took in account the results and feedback received from the performed tests. Also, the good practices for designing an interface for older adults were always present in our minds, in order to build a user-friendly software for our target audience. Some guidelines were considered, such as using big button sizes, suitable texts, full screens, color contrasts and avoiding some navigations techniques (e.g. swipe).

## Future Work

PersonalFinancesApp is just the prototype that marks the beginning of a new project and the research of another way to get at senior population, through software. Due to the received feedback from our sample of older adults, we are allowed to believe that this system has the potential to improve their lives in the field of finance management, which we look forward to complement.

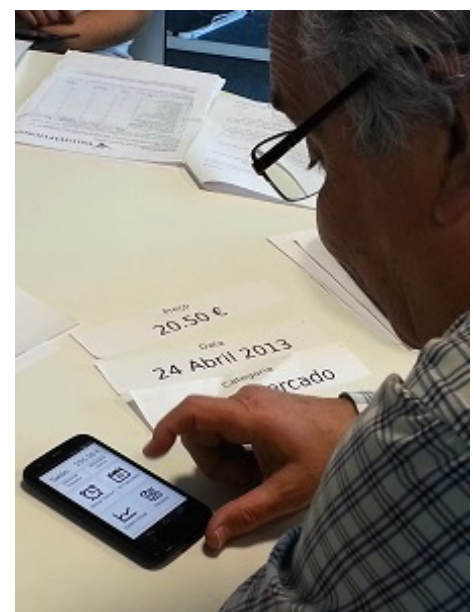


Fig3. Usability tests.