Low fidelity prototype

Digital Solution for Blind and Visually Challenged Individuals

Gliga-Hambeț Maria

Mureșan Salomeea

Voicu Sara-Ioana

Group 30444

[**1. Figma demonstration 3**](#_steyplqpfqo8)

[**2. Required steps to execute the tasks 3**](#_cgqxnpbwa9fa)

### Figma demonstration

The prototype showcases visual representation of every element within our application, demonstrates the sequence of described tasks, and includes interactive simulations.

[Figma Link](https://www.figma.com/proto/iNYR93seHarIixr6vZB8V4/UID---project?type=design&node-id=70-16&t=ua0oWur86MhU16yR-0&scaling=scale-down&page-id=0%3A1&starting-point-node-id=70%3A16)

### Required steps to execute the tasks

* **Task 1 - Creating the shopping list**

*Creating a shopping list with no previous list at that store:*

Step 1: Launch the application.

Step 2: (3 buttons: create shopping list, shop assistance, my shops) User arrives at our welcome screen and notices two options. “Create shopping list” and “Shop assistance”.

They click on the first one.

Step 2.1: (2 buttons: yes, no) The user is asked if they want to create a new shopping list (audio) and they press yes.

Step 2.2: (2 buttons: yes, no) The user is asked if they want to create a new shopping list (audio) and they press no.

Step 3.1: The virtual assistant queries the user about their preferred shopping location.

Step 3.2: (3 buttons: create shopping list, shop assistance, my shops) The virtual assistant queries the user about their preferred shopping location.

Step 4.1: In cases where there are multiple stores with identical names, the user will be informed of this and presented with a list of such stores, arranged in order of proximity to their current location or place of residence.

Step 5.1: (3 buttons: finish order, X, add item) A new shopping list is created, the user can start editing items to the list.

*Creating a shopping list with a previous list at that store:*

Step 1: Launch the application.

Step 2: (3 buttons: create shopping list, shop assistance, my shops) User arrives at our welcome screen and notices two options. “Create shopping list” and “Shop assistance”.

They click on the first one.

Step 2.1: (2 buttons: yes, no) The user is asked if they want to create a new shopping list (audio) and they press yes.

Step 2.2: (2 buttons: yes, no) The user is asked if they want to create a new shopping list (audio) and they press no.

Step 3.1: The virtual assistant queries the user about their preferred shopping location.

Step 3.2: (3 buttons: create shopping list, shop assistance, my shops) The virtual assistant queries the user about their preferred shopping location.

Step 4.1: In cases where there are multiple stores with identical names, the user will be informed of this and presented with a list of such stores, arranged in order of proximity to their current location or place of residence.

Step 5.1: (2 buttons: yes, no) The user is asked if they want to continue editing the previous list.

They click Yes.

Step 5.2: (2 buttons: yes, no) The user is asked if they want to continue editing the previous list.

They click No.

Step 6.1: (3 buttons: finish order, X, add item) The flow continues by editing the previous list.

Step 6.2: (3 buttons: finish order, X, add item) The flow continues by creating a new, empty list and deleting the previous one.

* **Task 2 - Choosing the store**

*Selecting the store - whilst having a shopping list:*

Step 1: (3 buttons: create shopping list, shop assistance, my shops) User arrives at the welcome screen and notices three options: “Create shopping list”, “Shop assistance” and “My shops”.

They click on the last one.

Step 2.1: (2 buttons: yes, no) The user is asked if they want to move to their shops (audio) and they press yes.

Step 2.2: (2 buttons: yes, no) The user is asked if they want to move to their shops (audio) and they press no.

Step 3.1: The virtual assistant presents to the user the shops where they already have an existing shopping list.

Step 3.2: (3 buttons: create shopping list, shop assistance, my shops) They are brought back to the initial screen.

Step 4.1: They can select the number of the store by voice command or insert it.

*Selecting the store - whilst creating a shopping list:*

Step 1: (3 buttons: create shopping list, shop assistance, my shops) User arrives at the welcome screen and notices three options. “Create shopping list”, “Shop assistance” and “My shops”'.

They click on the last one.

Step 2.1: (2 buttons: yes, no) The user is asked if they want to move to their shops (audio) and they press yes.

Step 2.2: (2 buttons: yes, no) The user is asked if they want to move to their shops (audio) and they press no.

Step 3.1: The virtual assistant queries the user about their preferred shopping location.  They respond by audio commands.

Step 4.1: In cases where there are multiple stores with identical names, the user will be informed of this and presented with a list of such stores, arranged in order of proximity to their current location or place of residence.

They can select the number of the store by voice command or insert it.

* **Task 3 - Be notified about the current sales in the shop you have selected**

Step 1:The user has selected the store for the shopping list.

Step 2.1: (2 buttons: yes, no) They are asked by audio if they want to be presented with the sales at that store.   They click “yes”.

Step 2.2: (2 buttons: yes, no) They are asked by audio if they want to be presented with the sales at that store.   They click “no”.

Step 3.1: They are presented the list by audio. After each item, they can select if they want to add it or not.

Step 3.2: (3 buttons: finish order, X, add item): They can start editing the previous shopping list or start the new one.

Step 4.1: (2 buttons: yes, no) They click “yes” and the process is continued as a normal item addition in terms of Q&As.

Step 4.2: (2 buttons: yes, no) They click “no”.

Step 5.1: They are presented with the next item on sale.

Step 5.2: They are presented with the next item on sale.

* **Task 4 - Managing the shopping list**

*Adding items:*

Step 1: (3 buttons: finish order, X, add item) The user taps on the bottom right corner of the screen in order to add a new item.

Step 2: (3 buttons: finish order, X, add item) The user interacts with the app by audio commands.

They are asked for the product they are looking for (e.g. apple juice)

They are asked for volume/weight if it’s the case (e.g. no. of liters)

They are given possible options (Santal, Granini)

They are asked for quantity

There are confirmations between all steps and also at the end.

They are informed of the current price of their shopping list.

Step 3: (3 buttons: finish order, X, add item)The user wants to finish the shopping list. They click on the top half of the screen.

*Deleting items:*

Step 1: (3 buttons: finish order, X, add item) The user taps on the bottom right corner of the screen in order to add a new item.

Step 2: (3 buttons: finish order, X, add item) As they are asked about the product/quantity and so on, they click in the bottom left corner.

Step 3: (2 buttons: yes, no) They are asked by audio if they want to delete the item and click in the top half (yes).

Step 4: (3 buttons: finish order, X, add item)They are brought back to the screen from where they can add new items or finish their order.

* **Task 5 - Verifying the shopping list**

Step 1: (3 buttons: finish order, X, add item)The user wants to finish the shopping list. They click on the top half of the screen.

Step 2: (2 buttons: yes, no) The entire list is presented to the user. At each project they are asked if they want to keep the certain item(s).

They click yes.

Step 3.1: (2 buttons: yes, no) They are asked if they want to add another item to the list.

They click no.

Step 3.2: (2 buttons: yes, no) They are asked if they want to add another item to the list.

They click yes.

Step 4.1: (3 buttons: create shopping list, shop assistance, my shops) The user is brought back to the initial screen, but with a shopping list now existent.

Step 4.2: (3 buttons: finish order, x, add item) The user is brought back to the same screen as in step 3 and the process continues from there.

* **Task 6 - Choosing delivery or pick up option**

Step 1: (2 buttons: yes, no) They are asked by audio if they want to add another item to the shopping list. They choose “no”, which means that the list is finished.

Step 2.1: (2 buttons: delivery, pick up) The user selects the delivery option.

Step 2.2: (2 buttons: delivery, pick up) The user selects the pick up option.

Step 3.1: (2 buttons: yes, no) They are asked if they are sure. (“Delivery?”) They click “yes”. Someone will bring their products for them.

Step 3.2: (2 buttons: yes, no) They are asked if they are sure. (“Delivery?”) They click “no”.

Step 3.3: (2 buttons: yes, no) They are asked if they are sure. (“Pick-up?”) They click “yes”. They will personally go to add their desired products to the shopping cart.

Step 3.4: (2 buttons: yes, no) They are asked if they are sure. (“Pick-up?”) They click “no”.

Step 4.1: The user is redirected to the payment page.

Step 4.2: (2 buttons: delivery, pick up) The user is redirected to the delivery options.

Step 4.3: The user is redirected to the payment page.

Step 4.4: (2 buttons: delivery, pick up) The user is redirected to the delivery options.

* **Task 7 - Be guided to the shop by means of an Uber**

Step 1: The user is asked to choose the shop and the list.

Step 2.1: (2 buttons: yes, no) The user is asked about transportation. They decide to request an uber.

Step 2.2: (2 buttons: yes, no)The user is asked about transportation. They do not need our navigation services. The user either knows the way to the shop or is already at the location.

Step 3.1: The user is provided with vocal information, including the estimated arrival time of the driver, the duration of the ride, and the total price. They await a “beep” sound as confirmation that the driver has arrived.

Step 3.2: (2 buttons: yes, no) The user is at the shop. The user is asked to start getting the items.

* **Task 8 - Walking to certain aisles**

Step 1: (map) The user starts their route in the shop and is also provided a close-up of their location. They move with the help of audio guidance.

Step 2: (camera) The user reaches one of the products and is informed about the height at which it is located.

They now need to scan the product with the camera and they will be informed if they have reached the correct product.

Step 3: (payment) The user is guided towards the counter.

* **Task 9 - Checking items with camera**

Step 1: (map) The user starts their route in the shop and is also provided a close-up of their location. They move with the help of audio guidance.

Step 2: (camera) The user reaches one of the products and is informed about the height at which it is located.

They now need to scan the product with the camera and they will be informed if they have reached the correct product.