

Vissiolle

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Presentation Outline

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3. Target Specifications
4. Concept Generation
5. Prototypes
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Client Needs

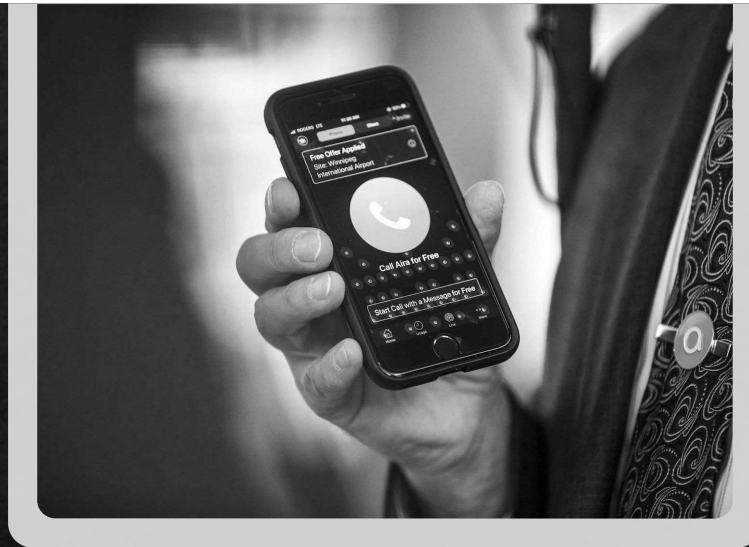
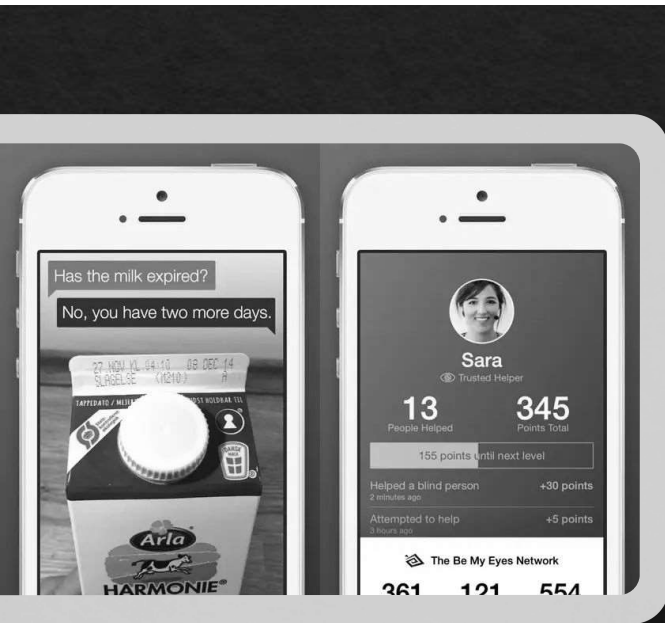
-Independent

-NO Braille Stickers

-Big Easy to Touch Buttons

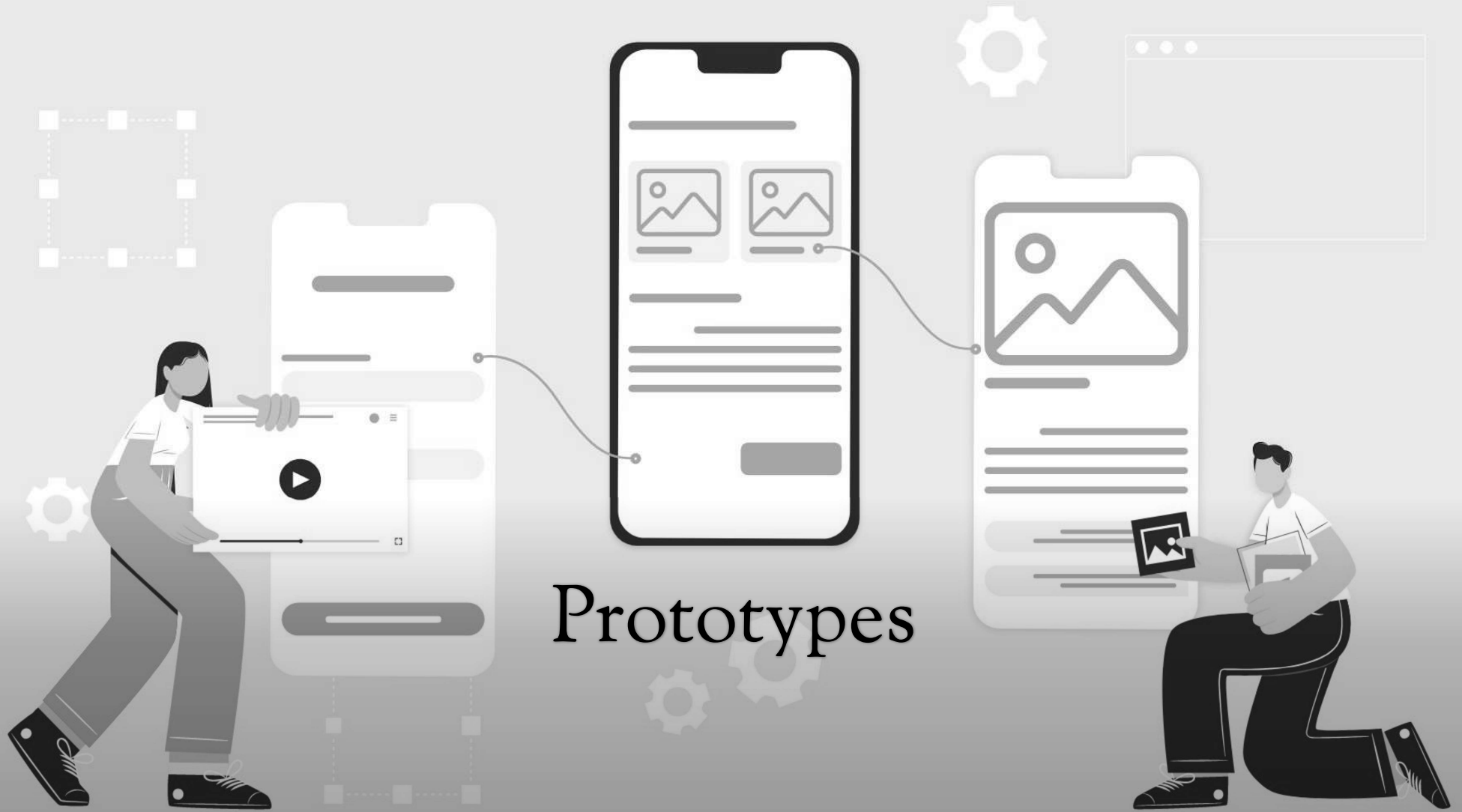
Target Specifications

Customer Need	Metric	Units
The application allows the user to effectively use household appliances without the use of braille stickers.	Not braille reliant	yes/no
The application is equipped with buttons and sounds rather than fully relying on a touch screen.	Not touch screen reliant	yes/no
The application can be applied to a variety of household appliances.	Number of appliances compatible	Numeric
The application allows the user to be self-sufficient.	Can be operated by a single visually impaired person	yes/no
The application will be usable on different phone operating systems	Multi Platform	yes/no



Concept Generation

- ◆ Special Braille or Tactile Stickers on Household Appliances.
- ◆ Applications for visually impaired people like Aira, Tap Tap See, and Be My Eyes.



Prototypes

imagerecog



Select and Press
Predict

SELECT

PREDICT

First Prototype



Second Prototype



Home

IMAGE RECOGNITION

ALPHANUMERIC RECOGNITION

Third Prototype



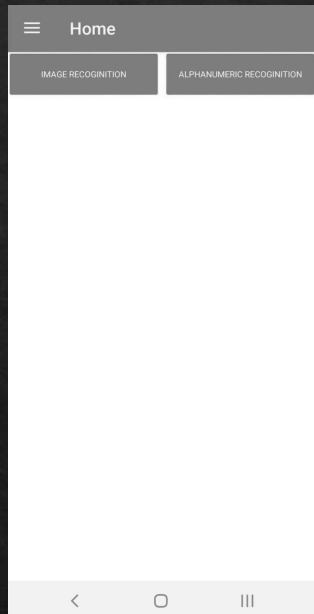


Image Recognition



Alphanumeric Recognition

6:31

27%



VisionIm-
pairedHel...



Business Model

<p><u>Key Partners</u></p> <p>-Application stores (Apple app store, Google Play store)</p>	<p><u>Key Activities</u></p> <p>-Software Development</p>	<p><u>Value Propositions</u></p> <p>-Aides visually impaired people in using households appliances</p>	<p><u>Relationships</u></p>	<p><u>Customer Segments</u></p> <p>-Visually impaired people</p>
<p><u>Key Resources</u></p> <p>-Access to computer and programming software</p>	<p><u>Channels</u></p> <p>-Smartphone application</p>			
<p><u>Cost Structure</u></p> <p>-App store fees</p>		<p><u>Revenue Streams</u></p> <p>-Donations -Grant Money</p>		
<p><u>Social & Environmental Cost</u></p> <p>-Electricity to develop and use app</p>		<p><u>Social & Environmental Benefit</u></p> <p>-Makes lives of visually impaired people easier</p>		

Income Statement

	2021	2022	2023
Number of Downloads	100 Downloads	1000 Downloads	2000 Downloads
Sale Revenue	\$599	\$5990	\$11980
Cost of App Sold	\$99	\$990	\$1280
Gross Profit on Sales	\$500	\$5000	\$10700
Operating Expenses:			
Development Necessities	\$30	\$60	\$70
Electricity	\$80	\$190	\$210
Internet Charges	\$100	\$170	\$170
Salaries	\$300	\$360	\$420
Total Operating Expenses	\$510	\$780	\$870
Operating Income	\$-10	\$4220	\$9830

Trials and Tribulations

A dark, monochromatic illustration of a person with long, wavy hair, wearing a suit and tie, sitting at a desk with a laptop. The person has their hand to their forehead in a gesture of stress or frustration. The background features a grid pattern on the left and a stylized plant on the right.

- ◆ Lack of Variety for Applications.
- ◆ Lack of Personnel.
- ◆ Lack of Information for Vissiole functions.

Future Work

- ◆ Further Research to Improve Interface.
- ◆ Further Research to Enhance Speed and Accuracy.
- ◆ Increase personnel.



Conclusion

