



TechWise

Empowering older adults to have fun
pursuing technology education and
navigating the digital world securely

The TechWise Team!



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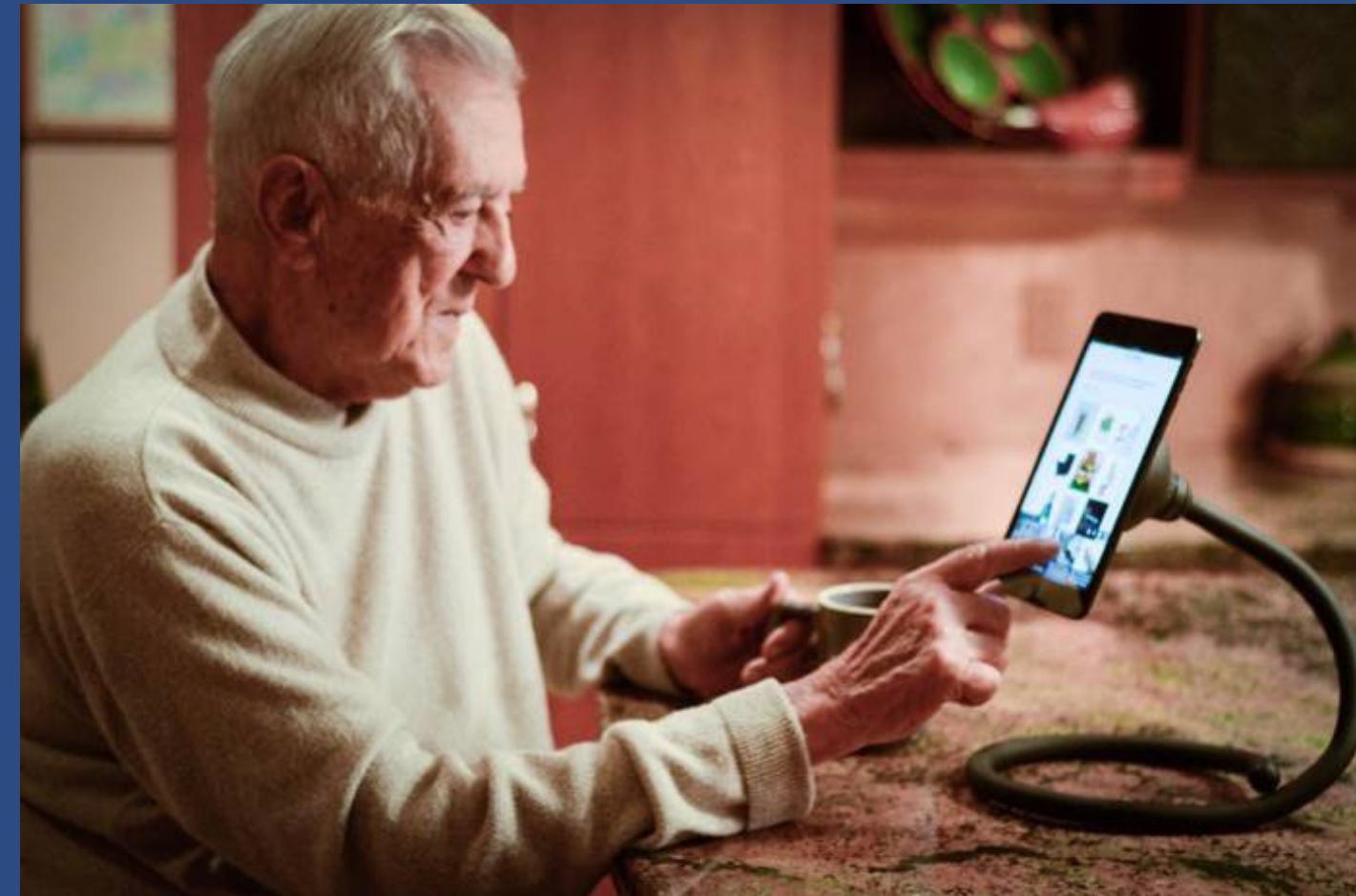
Lyndsea W.

CS

Our Mission

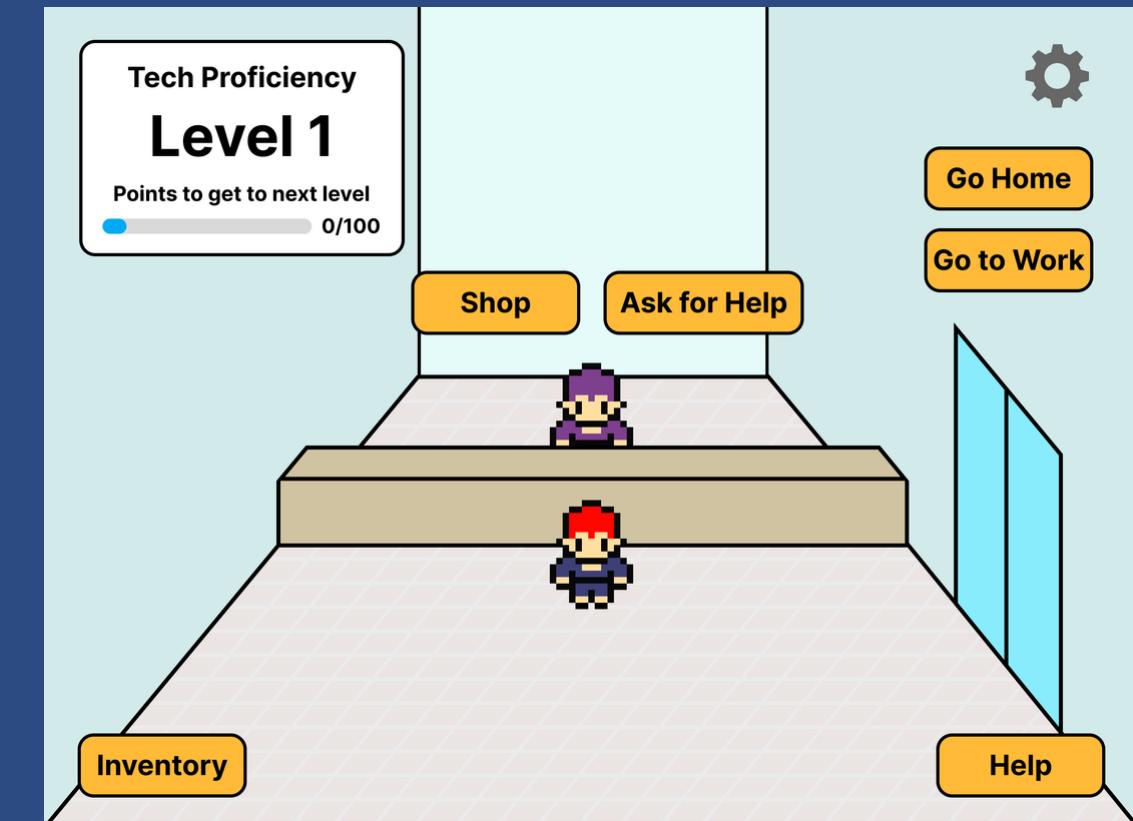
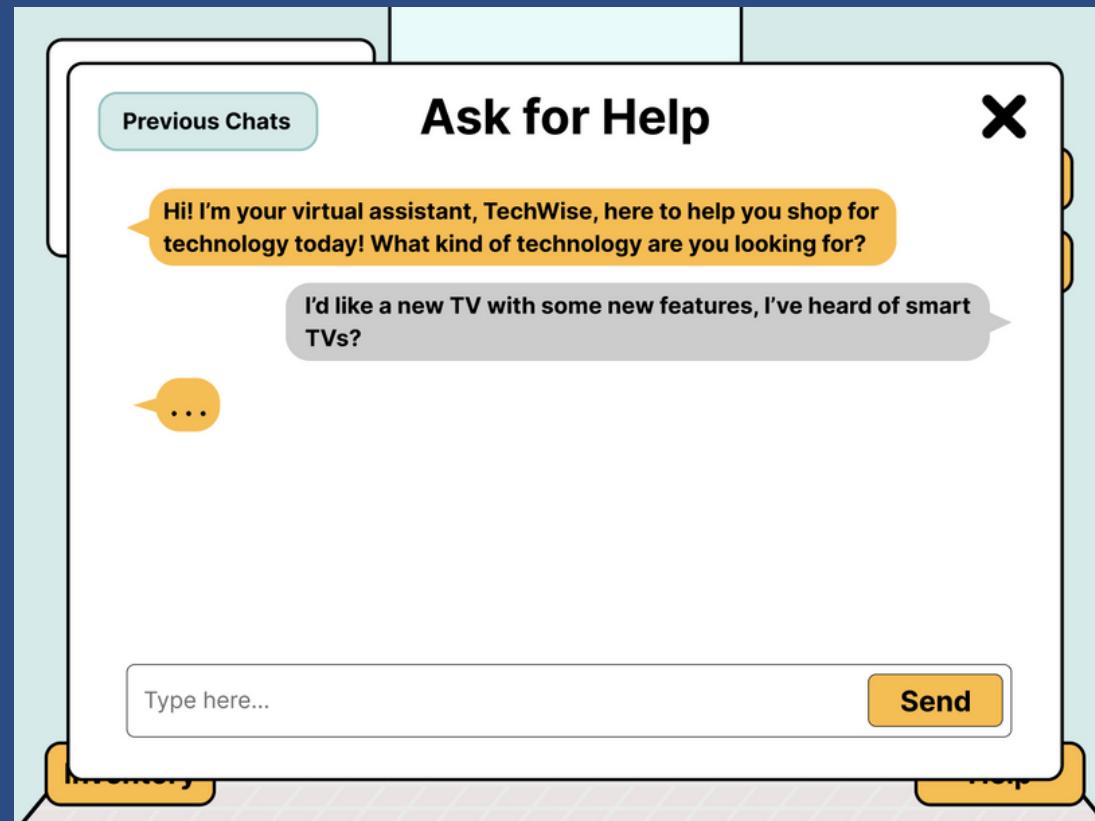
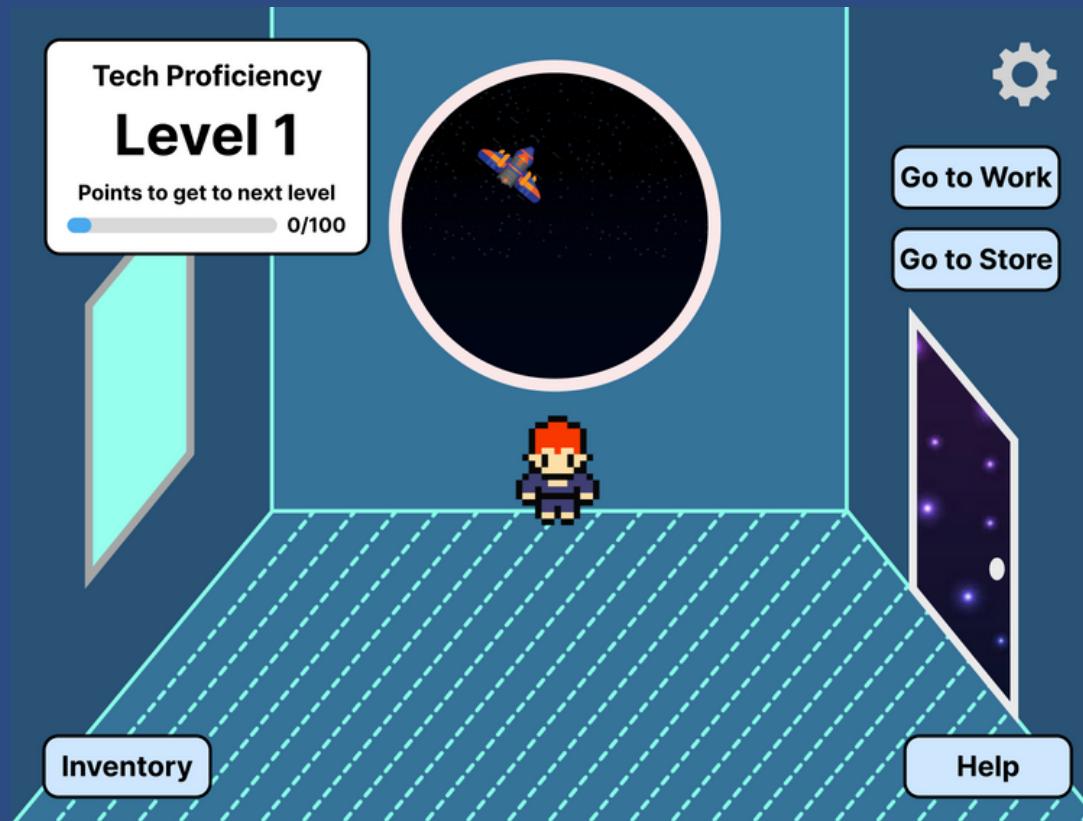
To provide equitable educational opportunities for older adults to learn more about technology in a personalized manner.

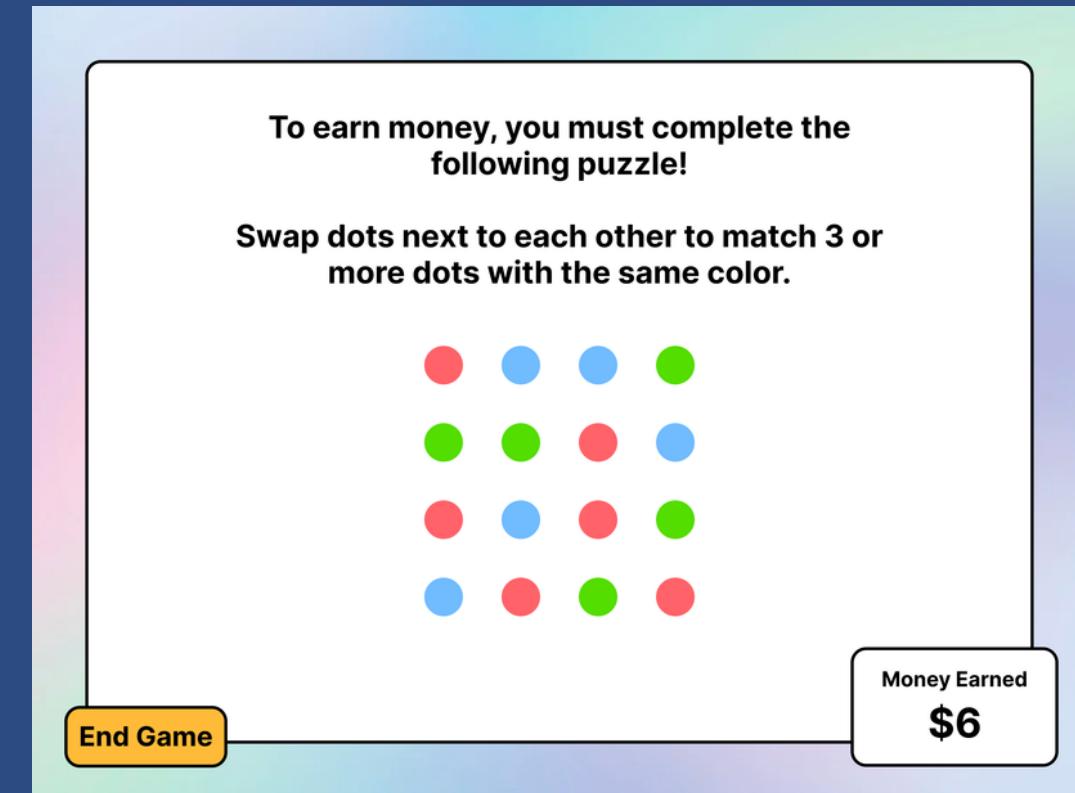
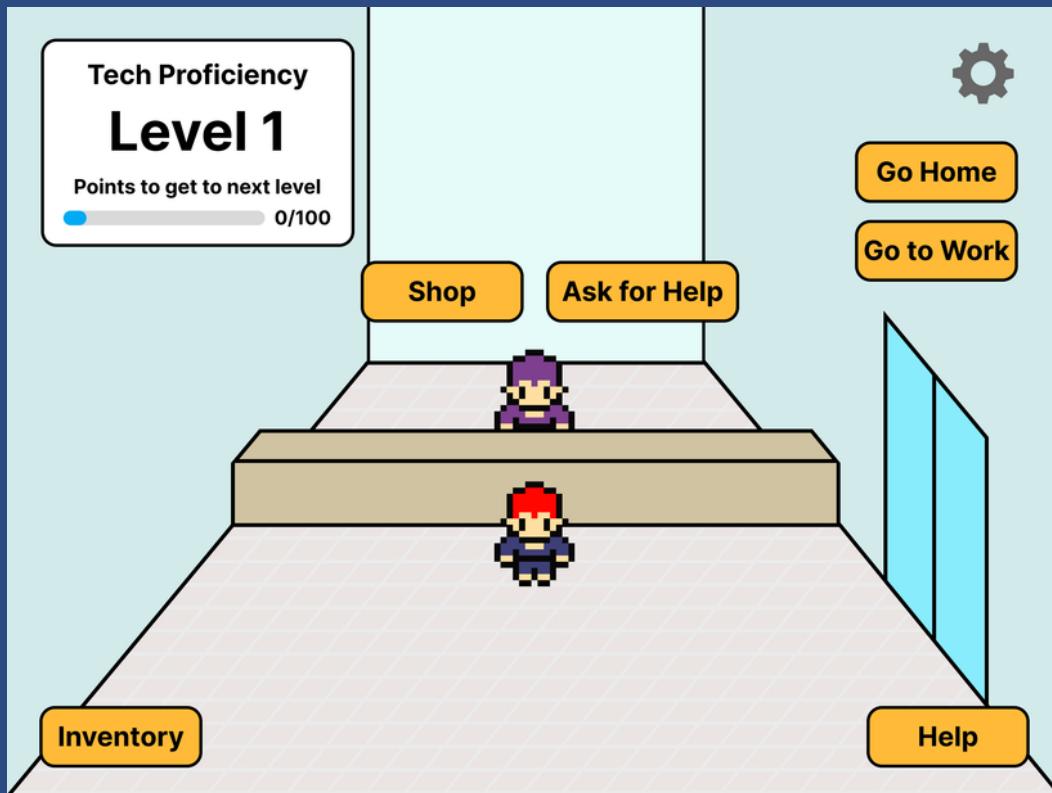
The Problem



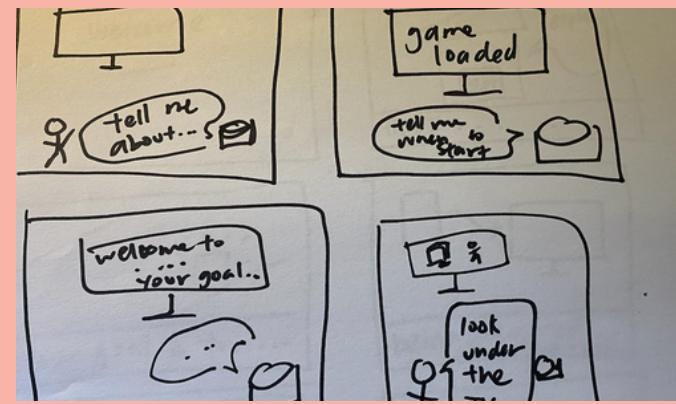
Our Solution

- A game that aims to teach older adults about different types of technologies they can bring into their own home
- Uses AI to customize experiences based on their needs, goals, and history





Design Evolution



Sketches →

Ideation



Low Fidelity
Prototype

Paper sketches



Medium Fidelity →
Prototypes #1-3

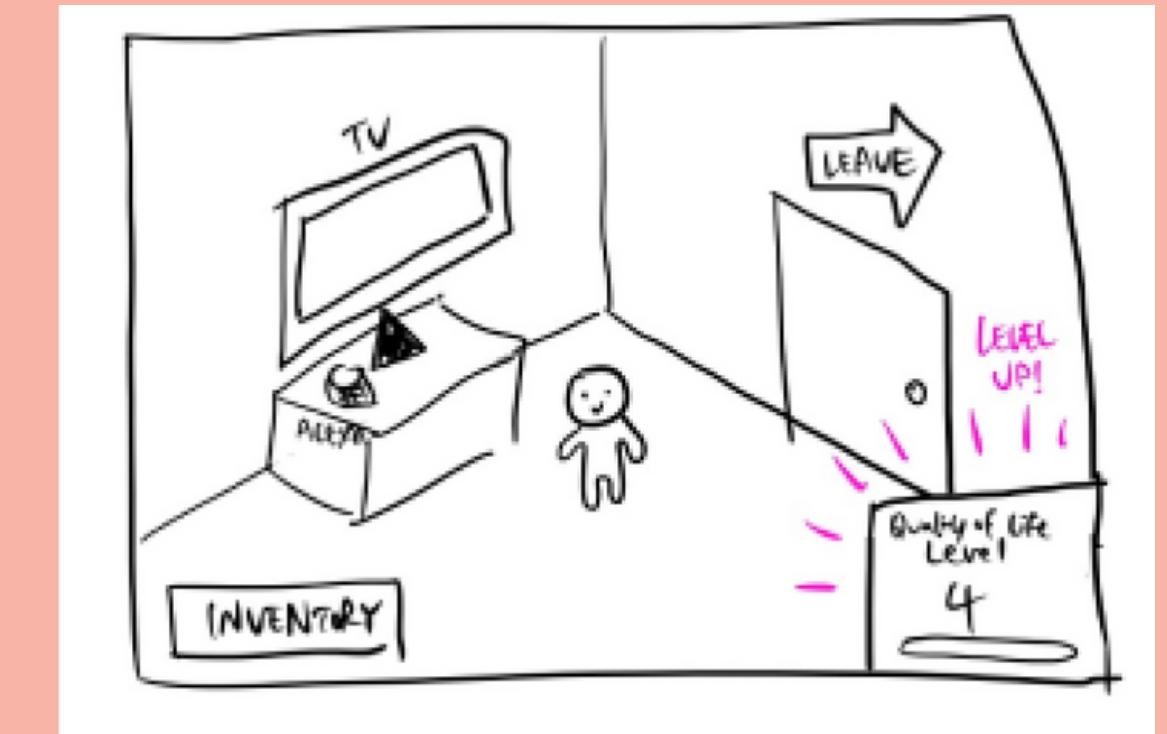
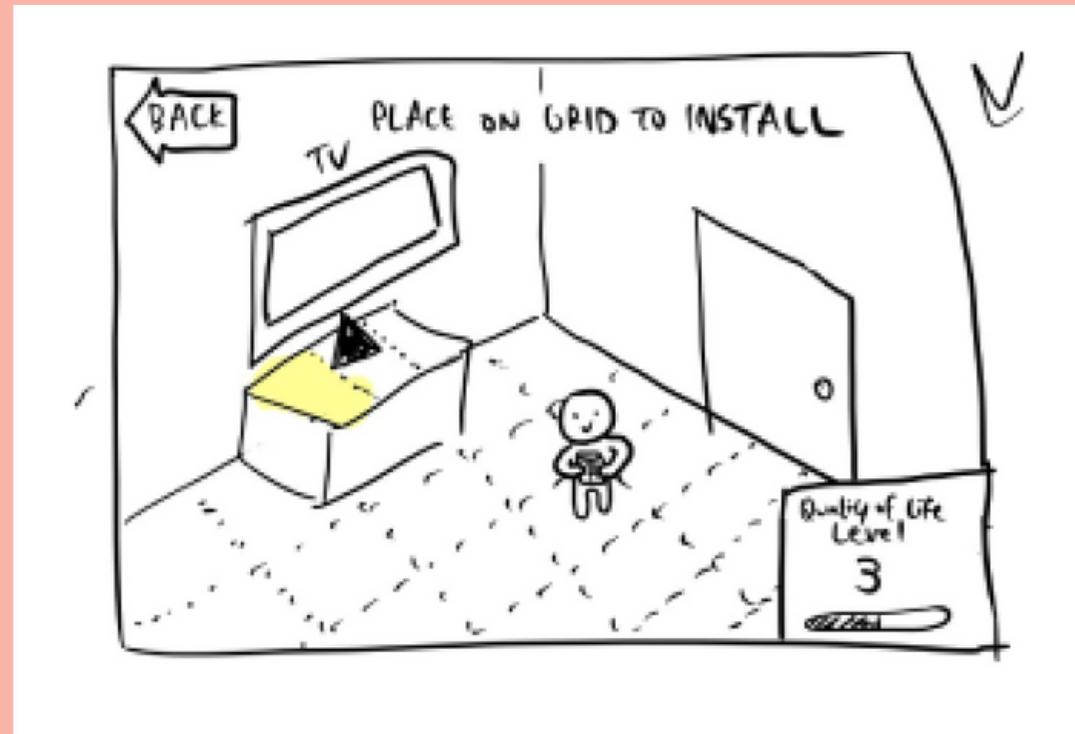
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Final Medium
Fidelity Prototype

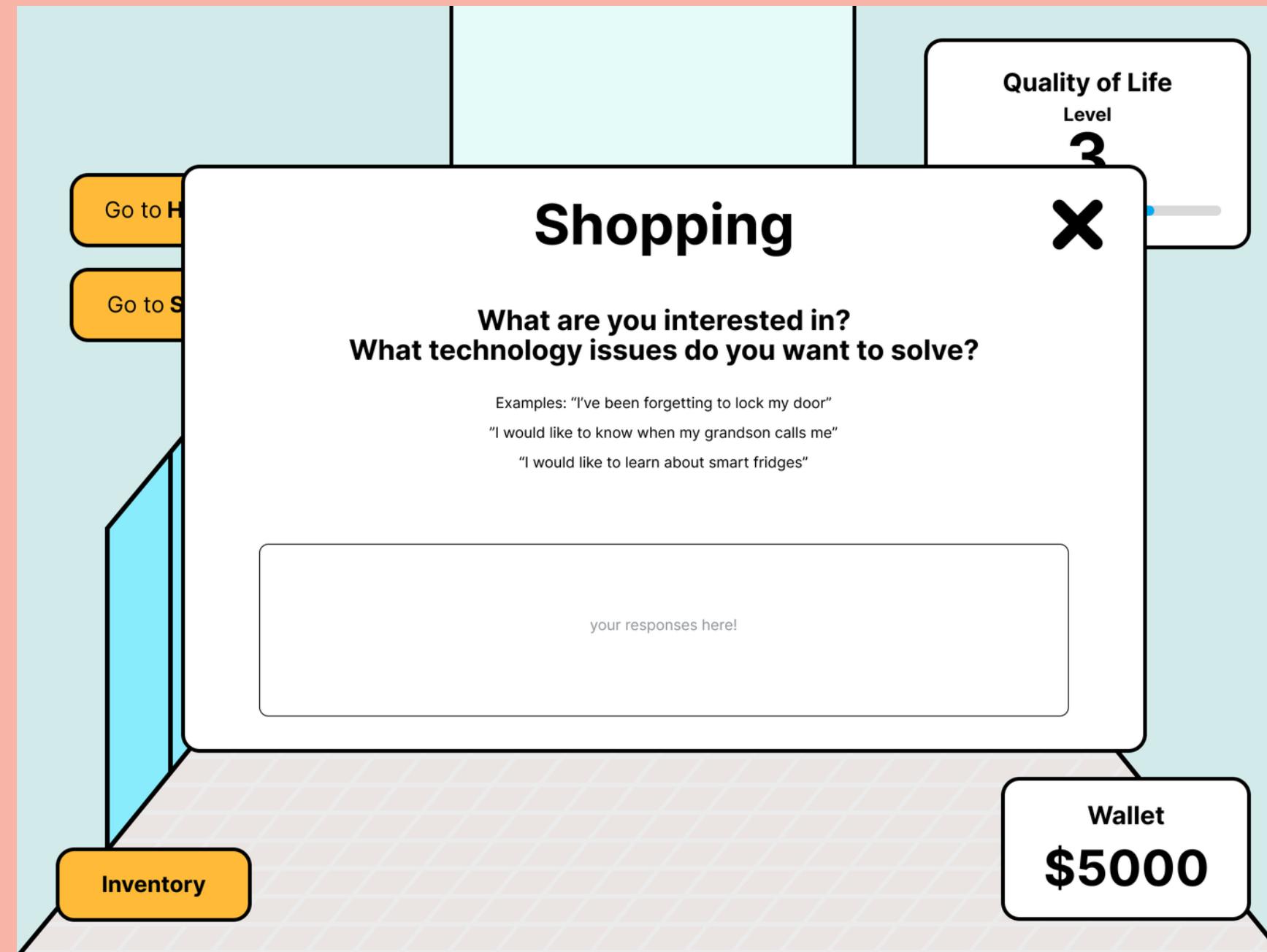
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Low Fidelity Prototype



Key Finding: Need for better and clearer incorporation of educational aspect.

Medium-Fi #1



Key Finding: Need for more guided and less open-ended education.

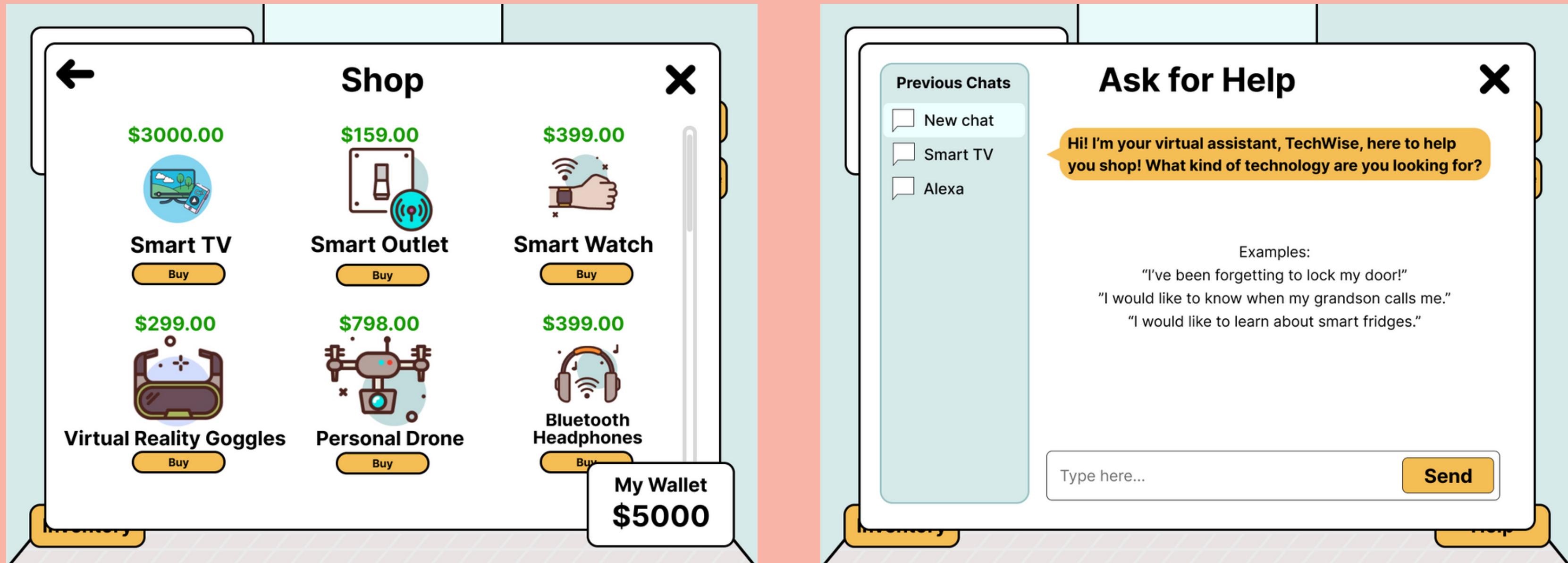
Medium-Fi #2

The image shows three sequential mobile application screens:

- Learning Goals Screen:** A light yellow header bar at the top. The main title is "Learning Goals". Below it is the question "What are you most excited to learn about?". Three options are listed in rounded rectangular boxes:
 - Learn how to use my current devices better.
 - Learn how to use new devices that I don't already have.
 - Learn what devices can connect and be used with each other.Each option has a small checkmark icon on its right side. At the bottom, there is a text input field with the placeholder "Type here..." and a yellow "Confirm" button.
- Learn Screen:** A light blue header bar at the top. The main title is "Learn". Below it is the question "What is a Smart TV?". There is a circular icon containing a television and a smartphone. The text explains that a smart TV is a television that can connect to the internet and offers features beyond traditional TVs. It allows users to stream movies and shows from services like Netflix, access apps for news and weather, browse the web, and share content from other devices. Overall, it's a convenient way to access a variety of entertainment and online content on your TV! A "Next" button is located at the bottom right.
- Shop Screen:** A light blue header bar at the top. The main title is "Shop". A speech bubble from a virtual assistant named "TechWise" says: "Hi! I'm your virtual assistant, TechWise, here to help you shop for technology today! What kind of technology are you looking for?". Below this, there is a section titled "Examples:" with three examples:
 - "I've been forgetting to lock my door!"
 - "I would like to know when my grandson calls me."
 - "I would like to learn about smart fridges."A blue button at the bottom left says "Already know what you're looking for? Tap here to directly browse our selection of technology.". At the bottom right, there is a text input field with the placeholder "I'd like a new TV with some new features, I've heard of smart TVs?" and a yellow "Send" button.

Key Finding: Need for more freedom in technology "shopping".

Medium-Fi #3



Key Finding: Good balance of learning and freedom. Need for clearer real-world translation.

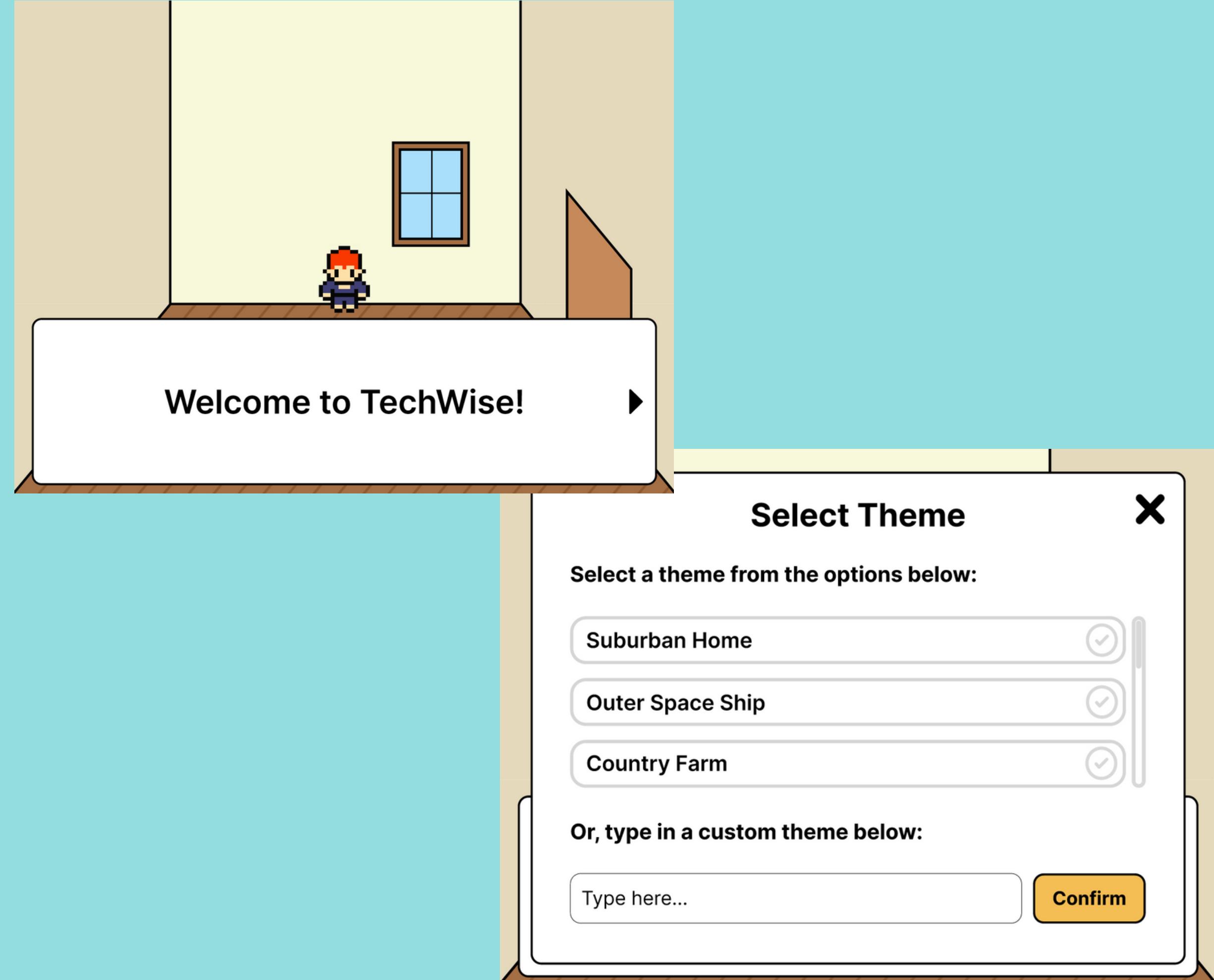
Final Medium-Fi

Tasks:

- #1 complete onboarding to input your goals, preferences, and technology history
- #2 learn about new technologies when shopping for new devices
- #3 integrate new technology into your space

Task 1: onboarding

- Help users get equipped with goal and narrative of game
- Large text and icon for age demographic





[Live Demo](#)



Next Steps

- Improve "real life" learning during the installation process by incorporating foundation models for AR/VR to be able to experience in the real life
- increase accessibility with speech-to-text, text-to-speech, image descriptions
- partnering with existing older adult organizations to increase access

TechWise



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check out our website & prototype!

