TechBuddy

Providing an accessible digital experience to seniors

Introduction

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Problem Statement

- **Digital Divide**: Seniors and tech novices struggle with digital tools due to unfamiliarity with technology

- **Accessibility Barriers:** Challenges such as poor eyesight make it harder for older adults to learn tech

- **Limited Tech Literacy:** Many seniors lack the knowledge and confidence to use modern technology, such as smartphones, efficiently

OUR Solution

- **TechBuddy!**

- **Tech Learning:** Easy tutorials for seniors to master smartphone use

- **Accessibility:** Adjustable features for diverse needs

- **Secure Storage:** Safely store password and important info

Features

- Preferred Languages
- Customizable Fonts
- Learning Modules
- Text-to-speech
- Voice Commands
- Emergency Helpline
- Password Manager
- Security

Preferred Languages

Fonts

Sample Text

Enable Bold

Large | Select Font Family

Continue

⌃ ⌄   Done

Select Font Family
Arial

Georgia

Times New Roman

HomeScreen

Start your journey

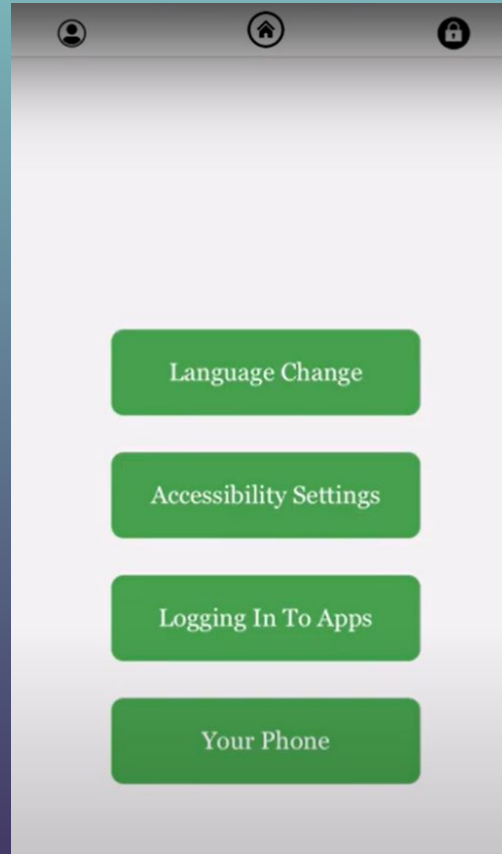to a better digital experience!

Learn more about your device
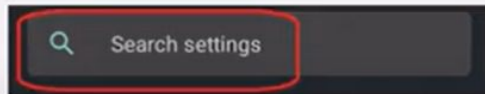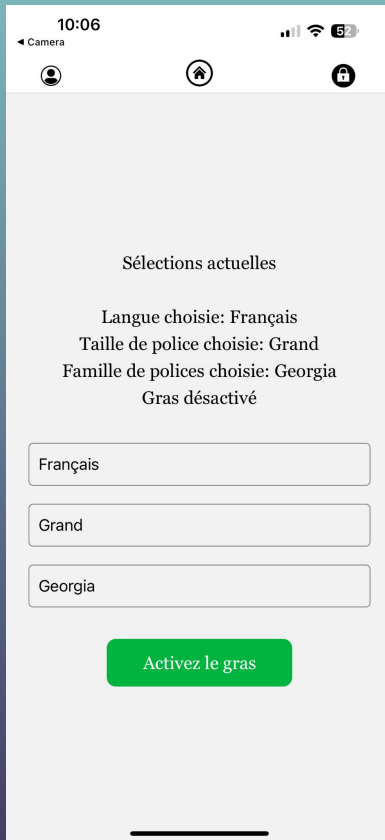
Helpful Tips

Emergency
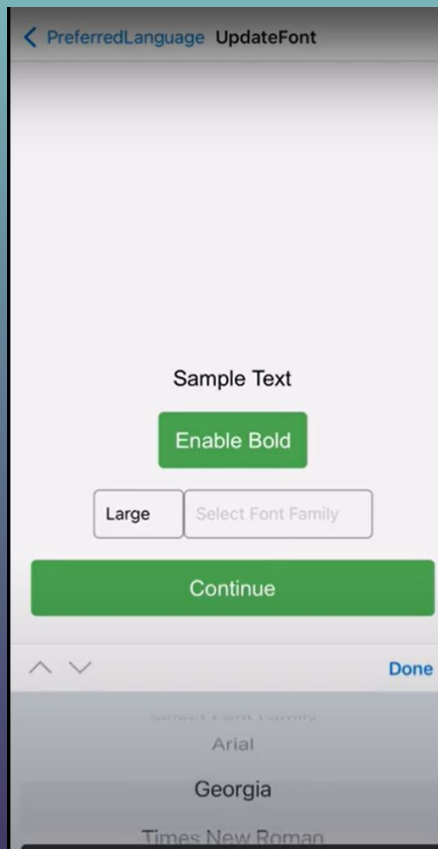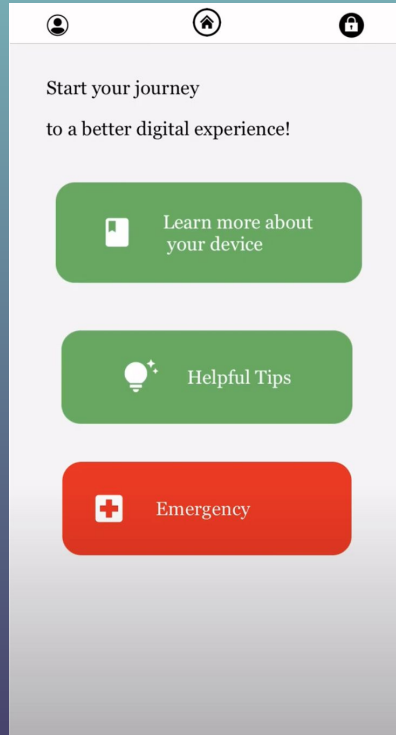
Learning about your device

Every phone has an option to change the language on it. This will change the language of everything presented on your phone. Here's how to do it:

1) Go to your settings.

2) Go to Preferences, then Languages. (If you don't see preferences, you may use the search icon in your Settings app to search 'Languages')

🔍 Search settings

3) There should be a "Your Selected Language" option, and it will be set to English. There should also be a "Select Language" option. Tap that button.
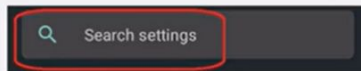
Settings

Sélections actuelles

Langue choisie: Français
Taille de police choisie: Grand
Famille de polices choisie: Georgia
Gras désactivé

Français

Grand

Georgia

Activez le gras

Text-to-Speech

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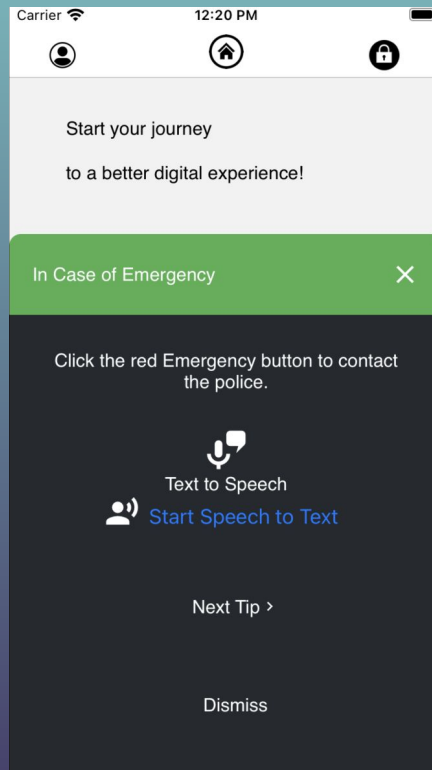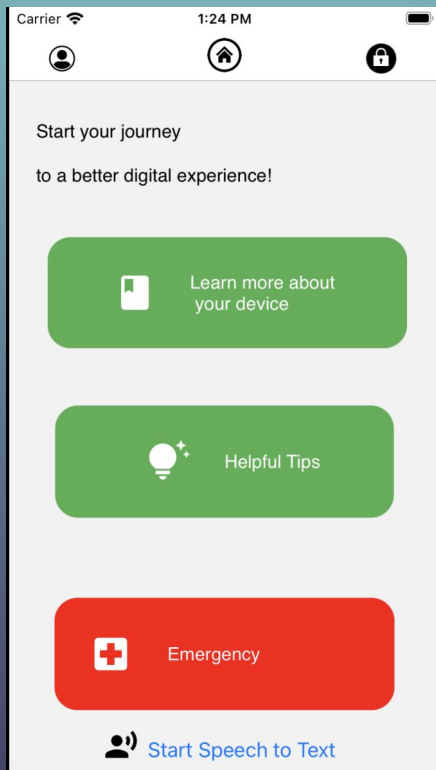
4) A list of languages should appear, scroll through until you find the one you want.

5) Some settings will ask you to verify that you want to change to the selected language. Make sure to select "Yes" or your changes will not be saved.
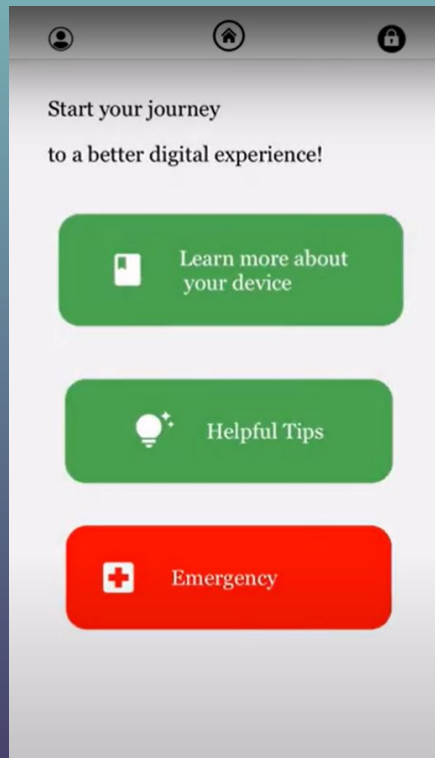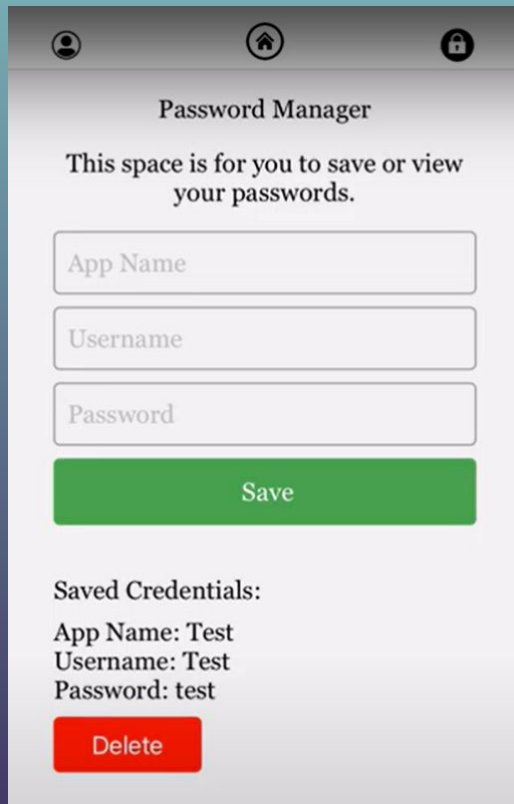
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Text to Speech

Voice Commands + Quick Tips

Emergency Helpline

Password Manager

Security Concerns

- **Minimized App Privileges:** Reduced app privileges on devices to limit potential attacks

- **Local Data Storage**: Stored sensitive data locally to isolate access and editing permissions

- **Minimal Network Use**: Limited network usage to mitigate security risks and vulnerabilities

Security Solutions

Demo

https://youtu.be/Oqvei2GSJ6I

Following the Agile Process

- **Pair Programming**: Collaborated on coding tasks for improved code quality

- **Daily Standups**: Aligned daily goals, discussed progress, and addressed any obstacles we had

- **Sprint Meetings**: Planned sprint goals, prioritized tasks,

- **Team Code Reviews**: Ensured code quality and consistency through team reviews

- **Feedback-Driven Development**: Gathered user feedback and iteratively improved the app

Challenges

- **Navigation issues**

- **Voice Commands Pay**

- **Font and bolding changes**

QUESTIONS