



Void Network Project Checkpoint

Group 8

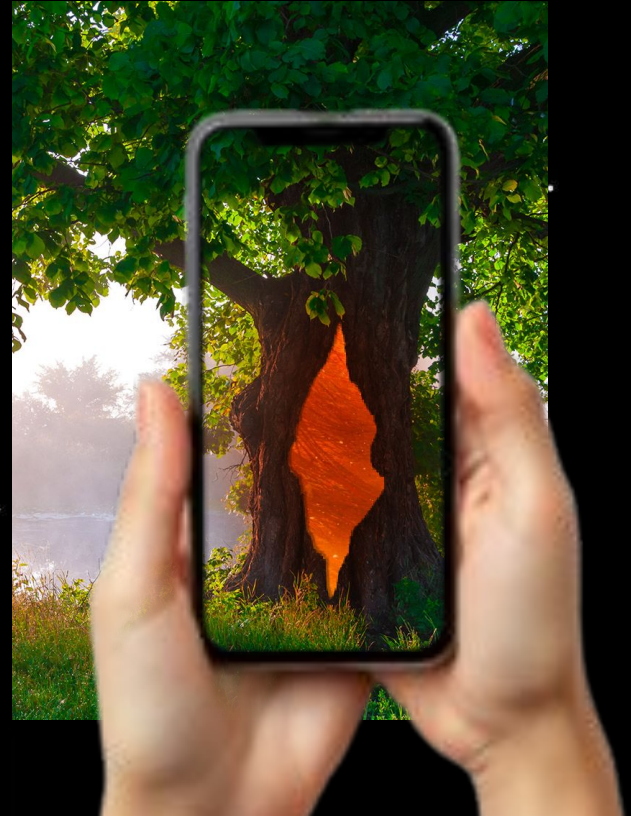
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56274 Manuel Cardoso
64371 Ricardo Costa

Mobile Computing

2024/2025

Main Features

- **Location-based Portals:**
 - Register Upside Down Portal
 - Using Camera
 - With Vision API that detects trees as portals
 - Allow users to communicate with other users near or inside portal



Main Features

- **Signal Communication:**
 - **Automatic Communication:**
 - Custom Signal Languages
 - **Manual Communication:**
 - Touch-Vibration Communication
 - Light-Flashlight Communication



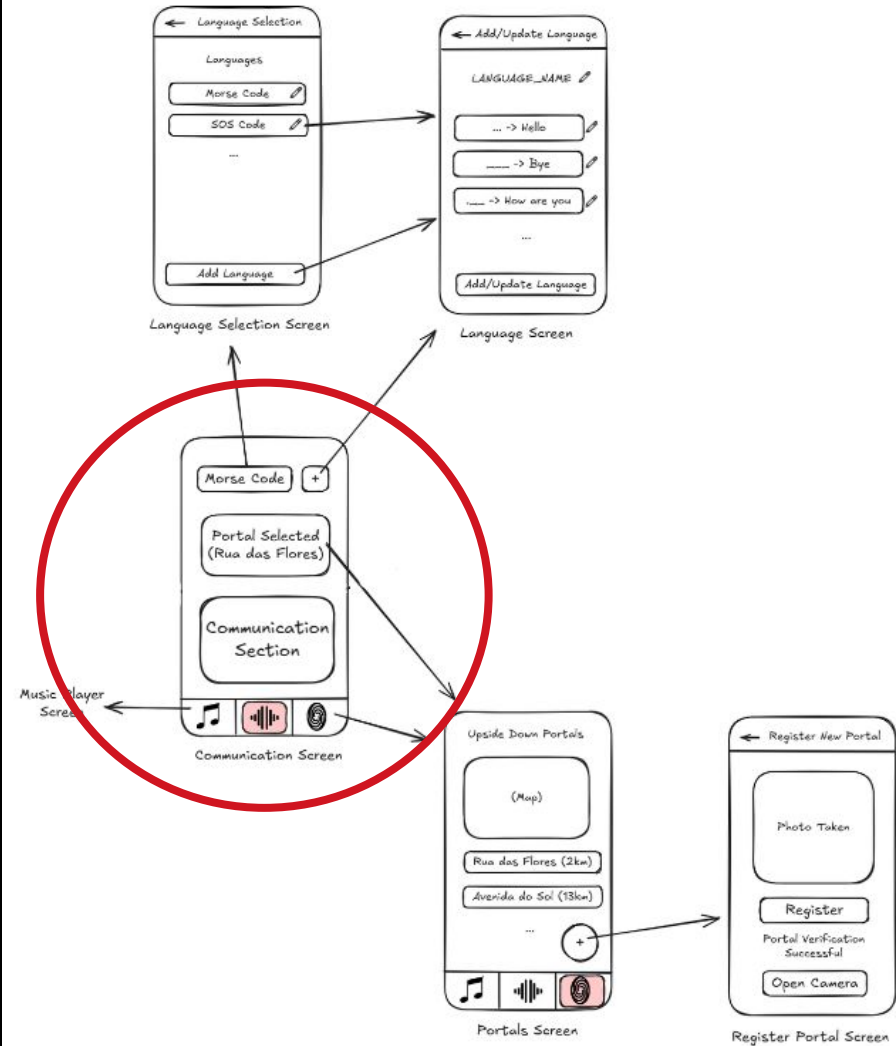
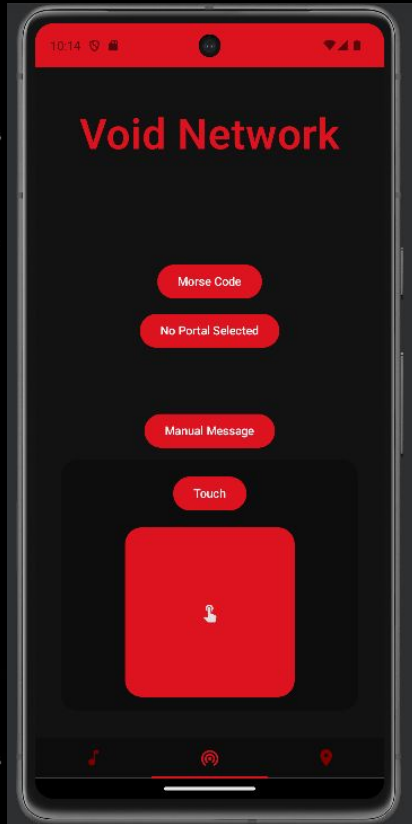
Main Features

- **80's Music Player:**
 - Play 80's classics
 - Listen along with friends
 - Custom playlists

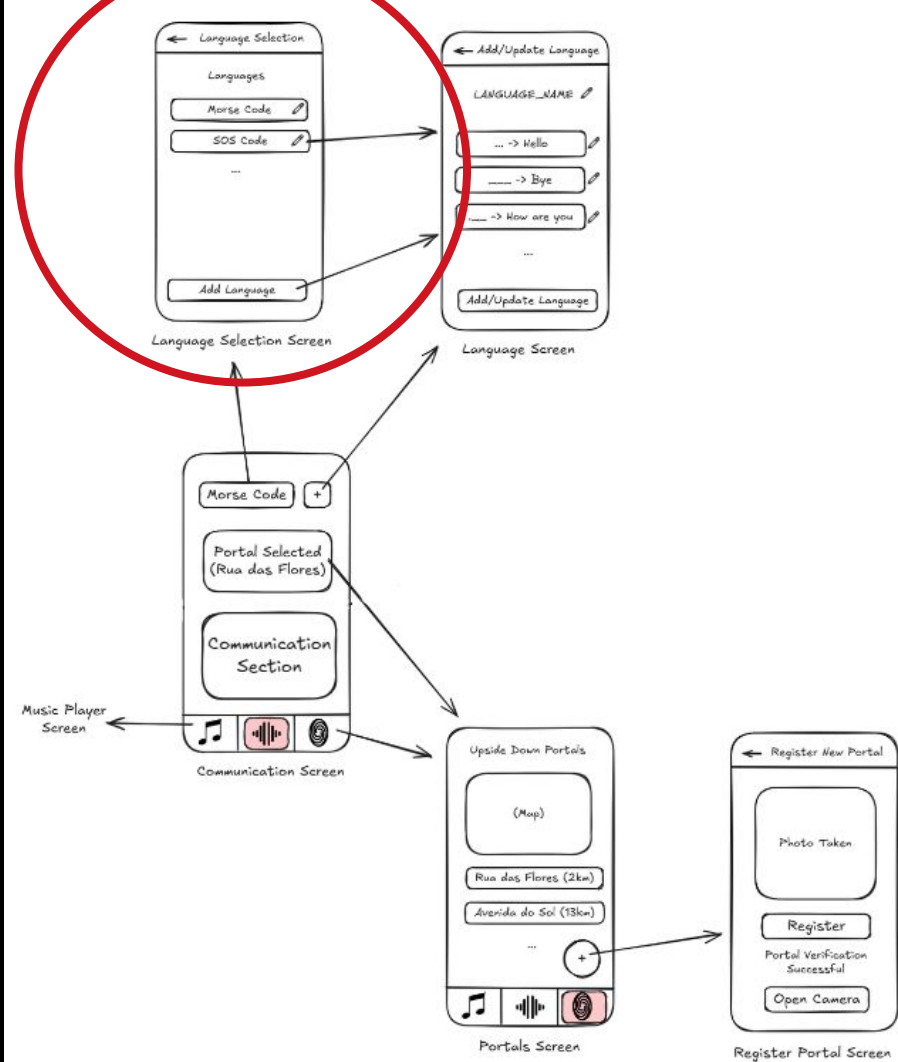
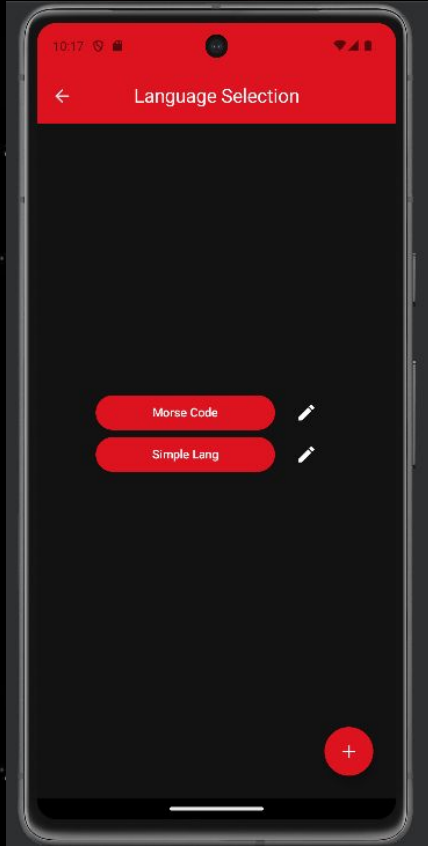


Low Fidelity Prototype

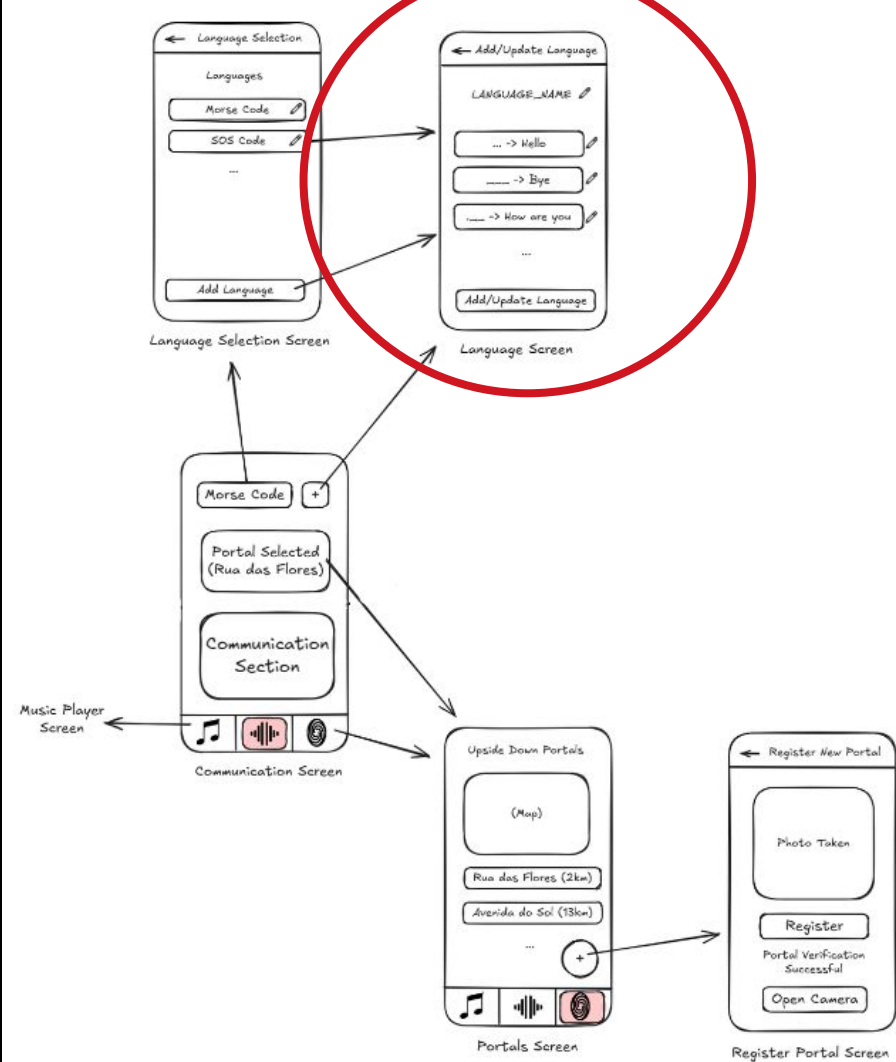
UI - Main Screen



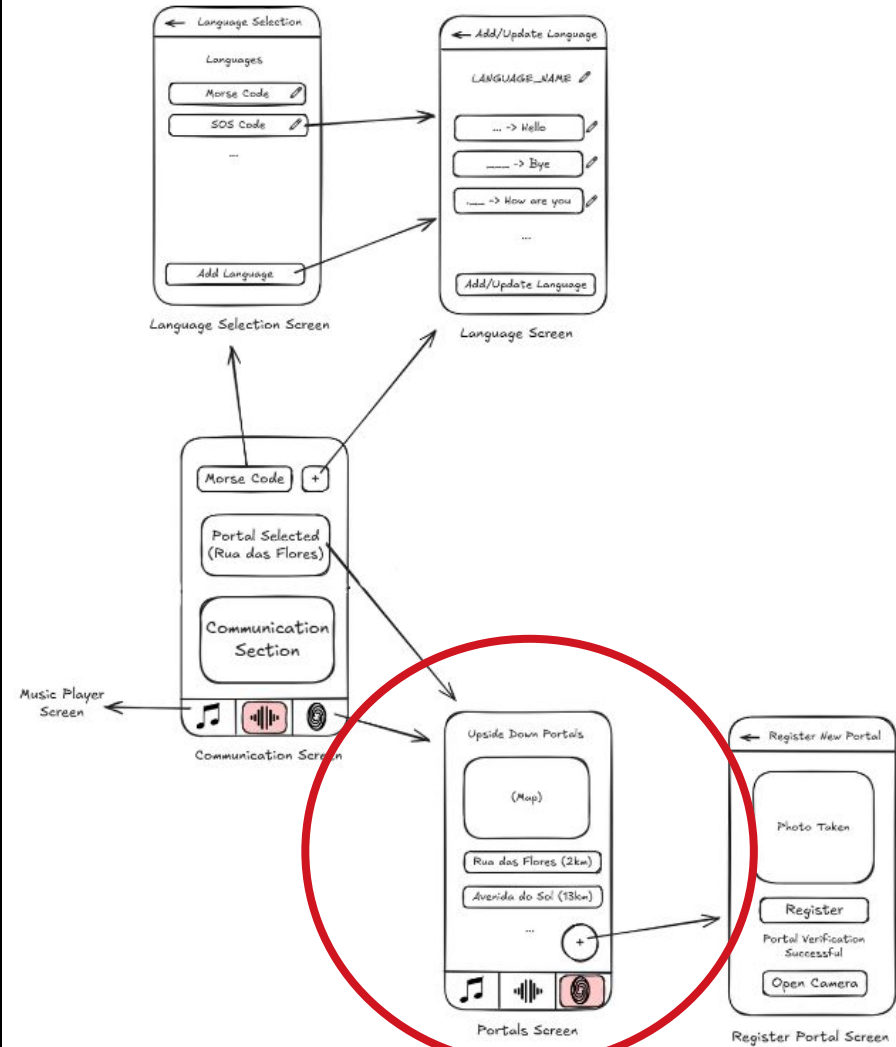
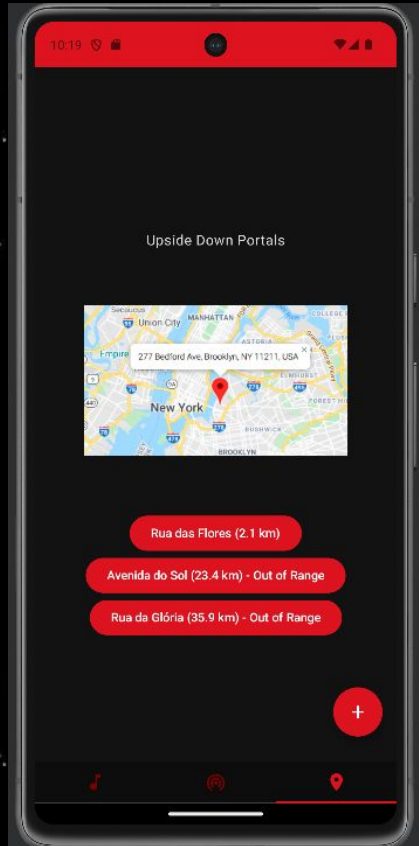
UI - Languages Screen



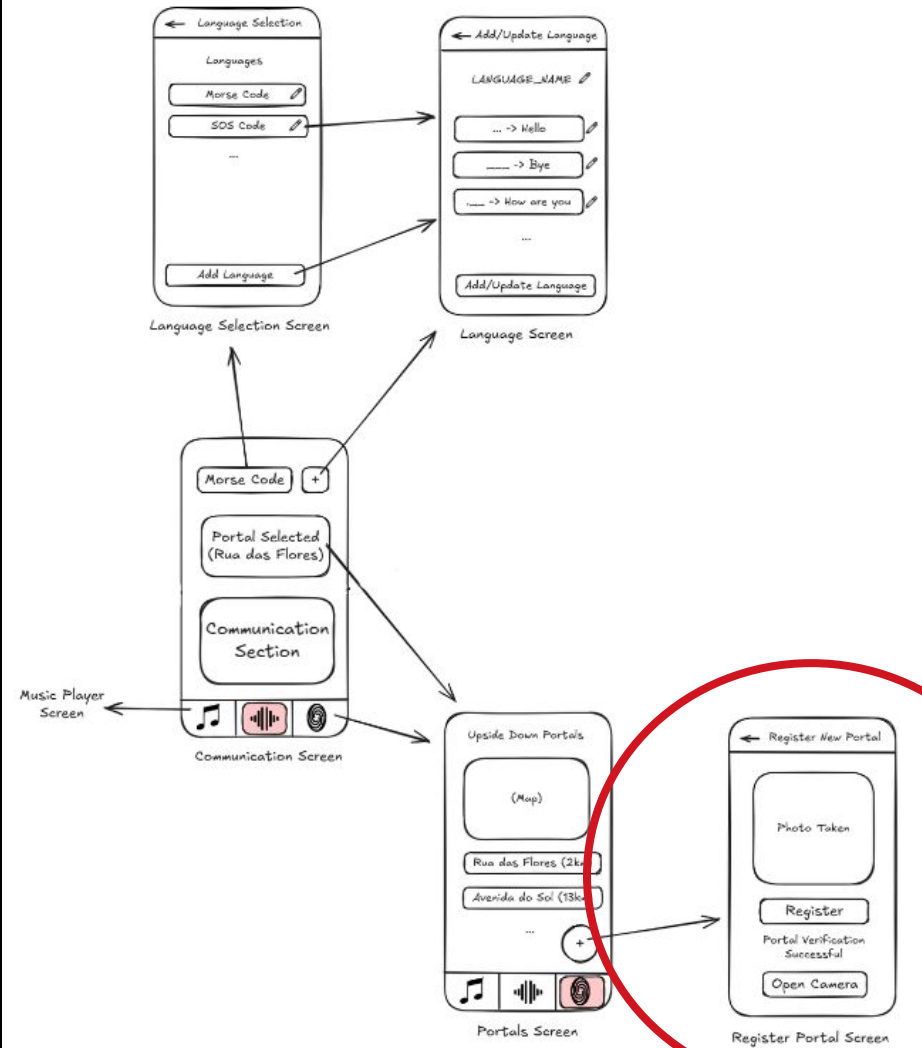
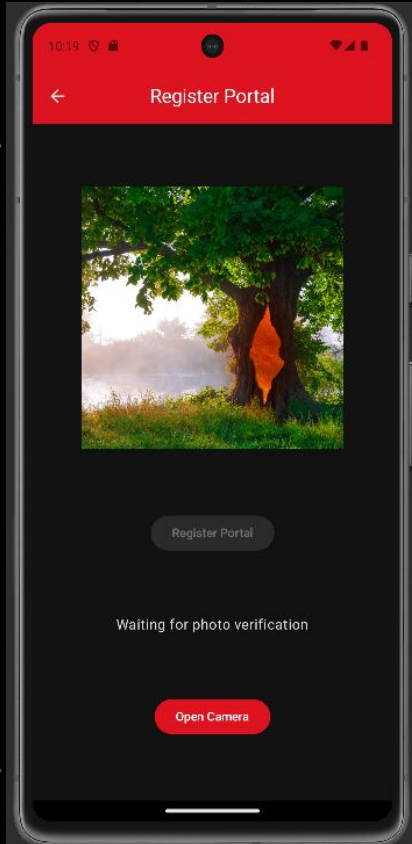
UI - Language Screen



UI - Portals Screen



UI - Register Portal Screen



Planning for the Next Checkpoint

- **Portal Registration:**
 - Camera, Vision API and GPS;
- **Signal Language Communication:**
 - Using firebase and cloud functions

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Questions?