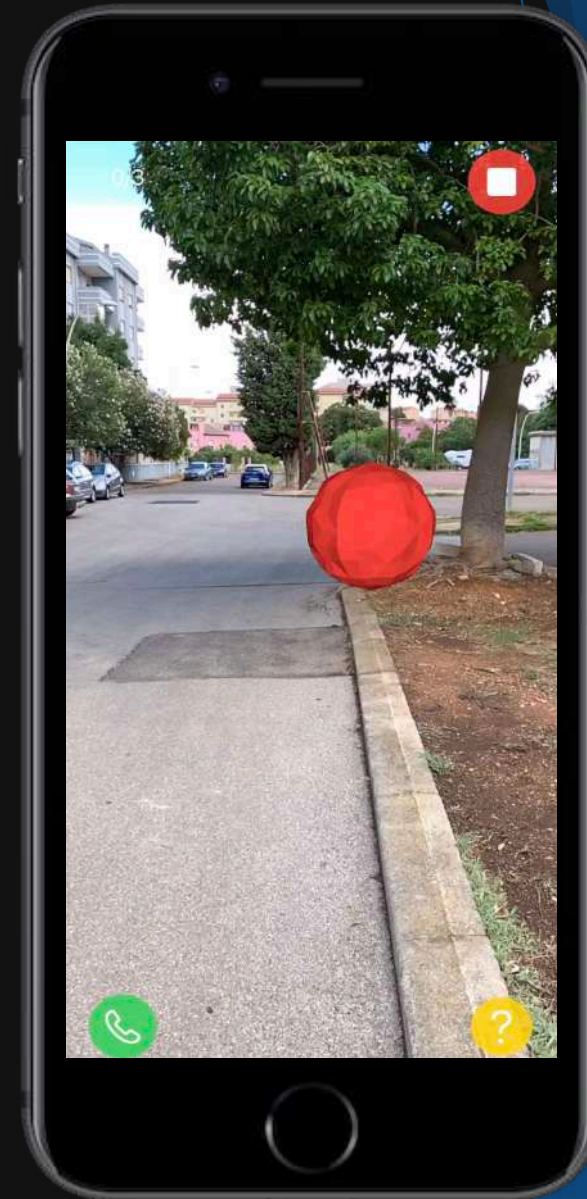


TomThumb

a user-friendly assistive technology for AR navigation

- **Goal:**
 - The aim is to help Tom, a person with cognitive impairment, to memorize and follow a route independently.
- **Caregiver-side:**
 - Create routes by placing crumbs;
 - Follow Tom's progress.
- **Tom-side:**
 - Complete a route by collecting crumbs dropped by the caregiver;
 - Follow routes already traveled.

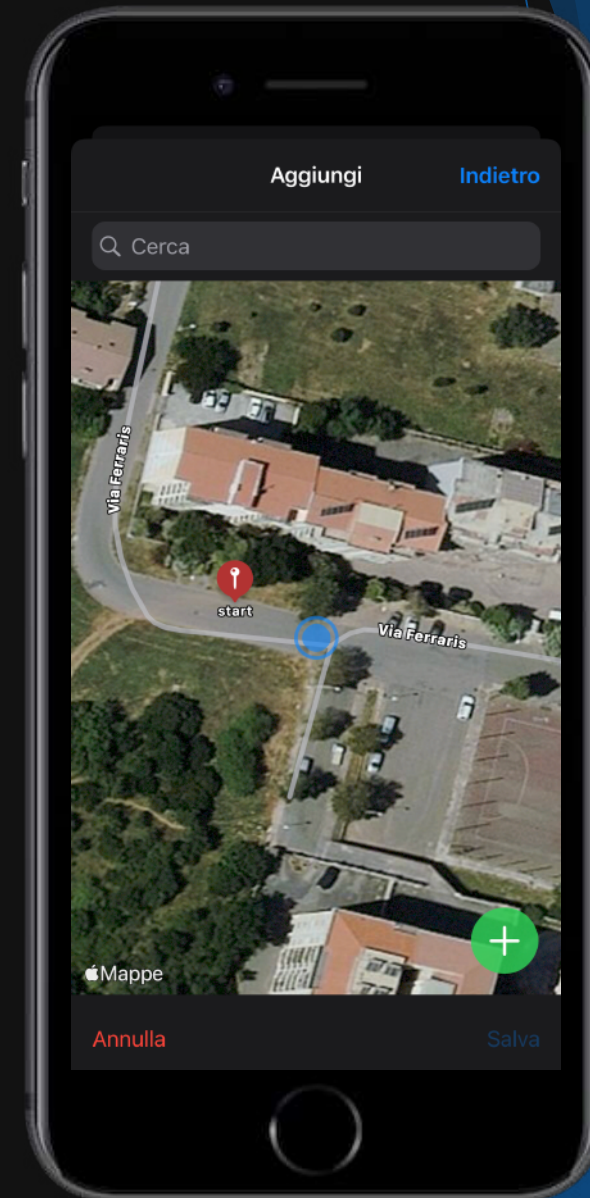


Tecnologies



Create a route

The caregiver creates the route by placing the crumbs. Each crumbs has an associated audio, which can be recorded by the caregiver itself.



AR-Navigation & Monitoring



Tom walks the route in AR and collects all the crumbs. He will be guided during the entire execution by visual (directional arrows, route percentage, pop-ups) and auditory support.

The caregiver monitors Tom's progress in real-time.

Tom's safety

- Visual-auditory support:
 1. Deviation from the route: Tom wil be invited to call his caregiver in case of deviations;
 2. Unexpected event: at any time, Tom can play personalised audios or call his caregiver;
 3. 'Call caregiver' shortcut.

