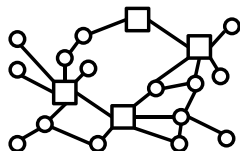


Research Methods & Tools

Gigamapping



Method

Mapping is a long-established method to explore and organize complexities by graphically representing the elements and relations that are part of a complexity. Coined in 2009 by Prof Birger Sevaldson of the Oslo School of Architecture and Design, Gigamapping is 'super extensive mapping across multiple layers and scales with the goal of investigating relations between seemingly separate categories, hence providing boundary critiques on the conception and framing of systems'.

Gigamapping is aimed at orienting in 'super-complexities' posed by our modern world. It is a technique of systems oriented design and is based on systems thinking, design thinking, and visual thinking. Gigamaps lay out vast amounts of information and interconnections gathered from different sources, covering a wide and divers spectrum of topics, and spanning macro and micro levels. The amount and diversity of elements and interconnections result in a 'myriadic quality' that provides 'an overall feel of the complexity of the system'. [Learn more.](#)

Contents

This document presents examples of how this method was used in practice to support research on the lifestyle and needs of seniors and topics related to population ageing.

BaltSe@nioR Virtual Library offers research, tools, and methods to support enterprises in the Baltic Sea Region in product development aimed at raising comfort and safety of seniors' home living.

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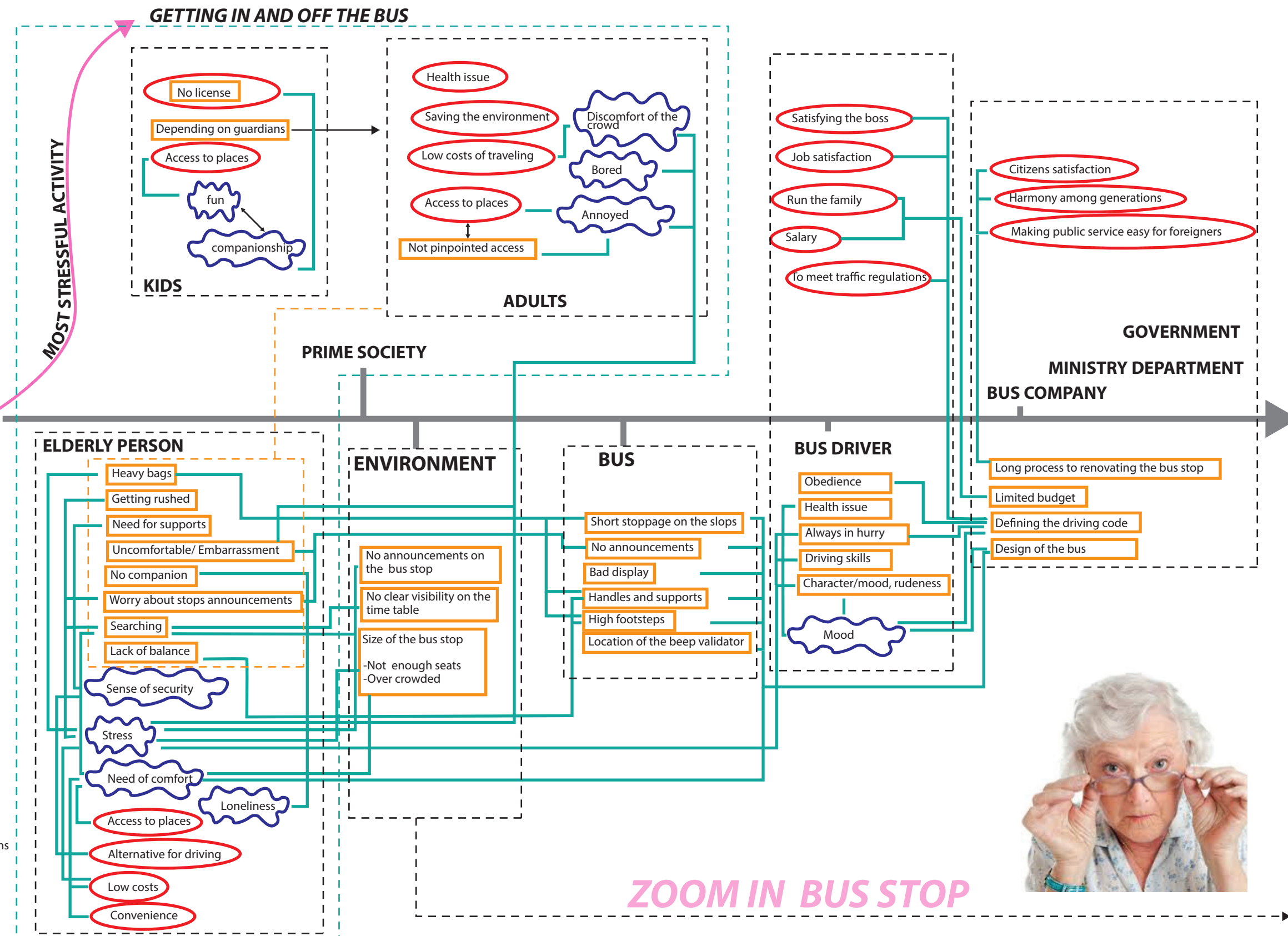
When providing a credit or making a reference, BaltSe@nioR and the EU European Regional Development Fund / Interreg Baltic Sea Region must be mentioned alongside the creators, their respective institutions, and project partners.

01 Public transportation: Elderly perspective

THE JOURNEY TO THE SHOP



PUBLIC TRANSPORTATION-ELDERLY PERSPECTIVE



SEATING



PLATFORM



SHADE



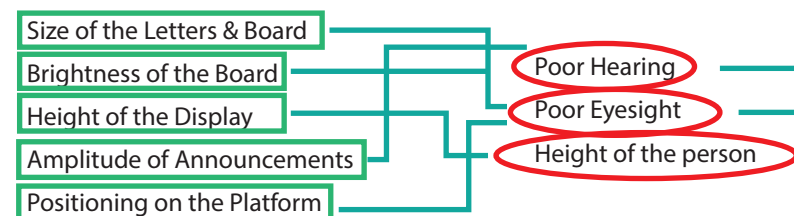
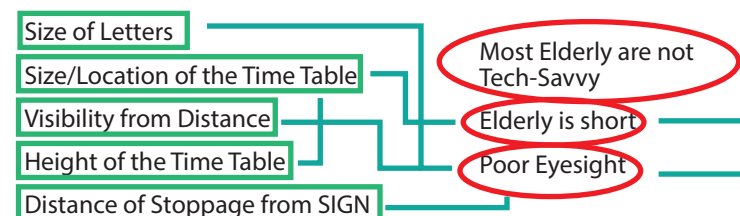
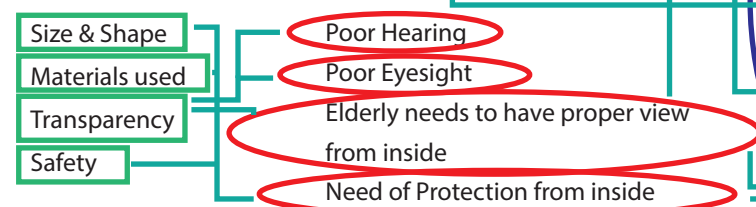
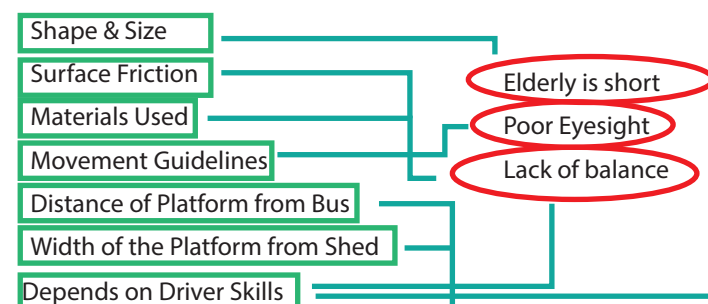
BUS STOP SIGN



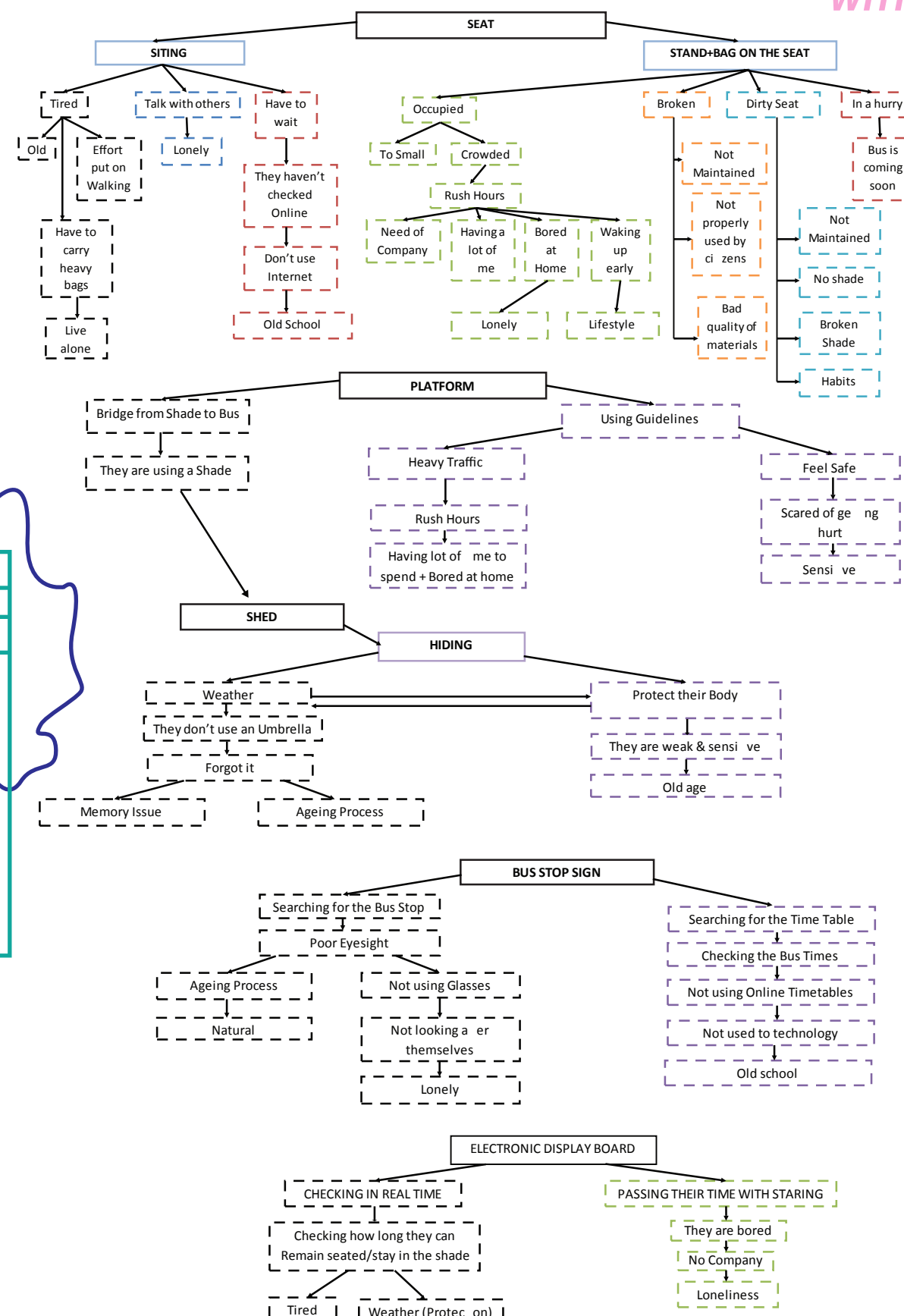
ELECTRONIC DISPLAY BOARD



WHY?



STRESS
EMBARRASSMENT
WORRYING
AWKWARDNESS
TIREDNESS
UNSAFE
COMFORT



PROPOSAL

SEATING

- MAINTENANCE
- CLEAN
- BIGGER IN SIZE(SEATING AT LEAST 2M WIDTH)
- PLACE FOR BAGS(PLATFORMS OR HANGERS)
- HEIGHT MATTERS:
 - HEIGHT FOR SEATING(THAT NOT TO HEIGHT, APPROX. 0.4 m)
 - HEIGHT FOR BAG PLATFORMS

PLATFORM

- SIZE - BIG, WIDER
- GUIDELINES (WHERE THE BUS STOPS, WHERE TO STAND, WHERE TO GET IN THE BUS)
- SURFACE MATERIAL- NOT SLIPPERY

SHADE

- POSITION
- PROTECTION BOARDS FROM WEATHER
- CHANGE ADVERTISEMENT BOARDS TO INFORMATION BOARDS FOR PUBLIC

BUS STOP SIGN

- FONT SIZE-BIG
- LOCATION OF TIME TABLE IN REACHABLE HEIGHT
- VISIBLE FROM DISTANCE

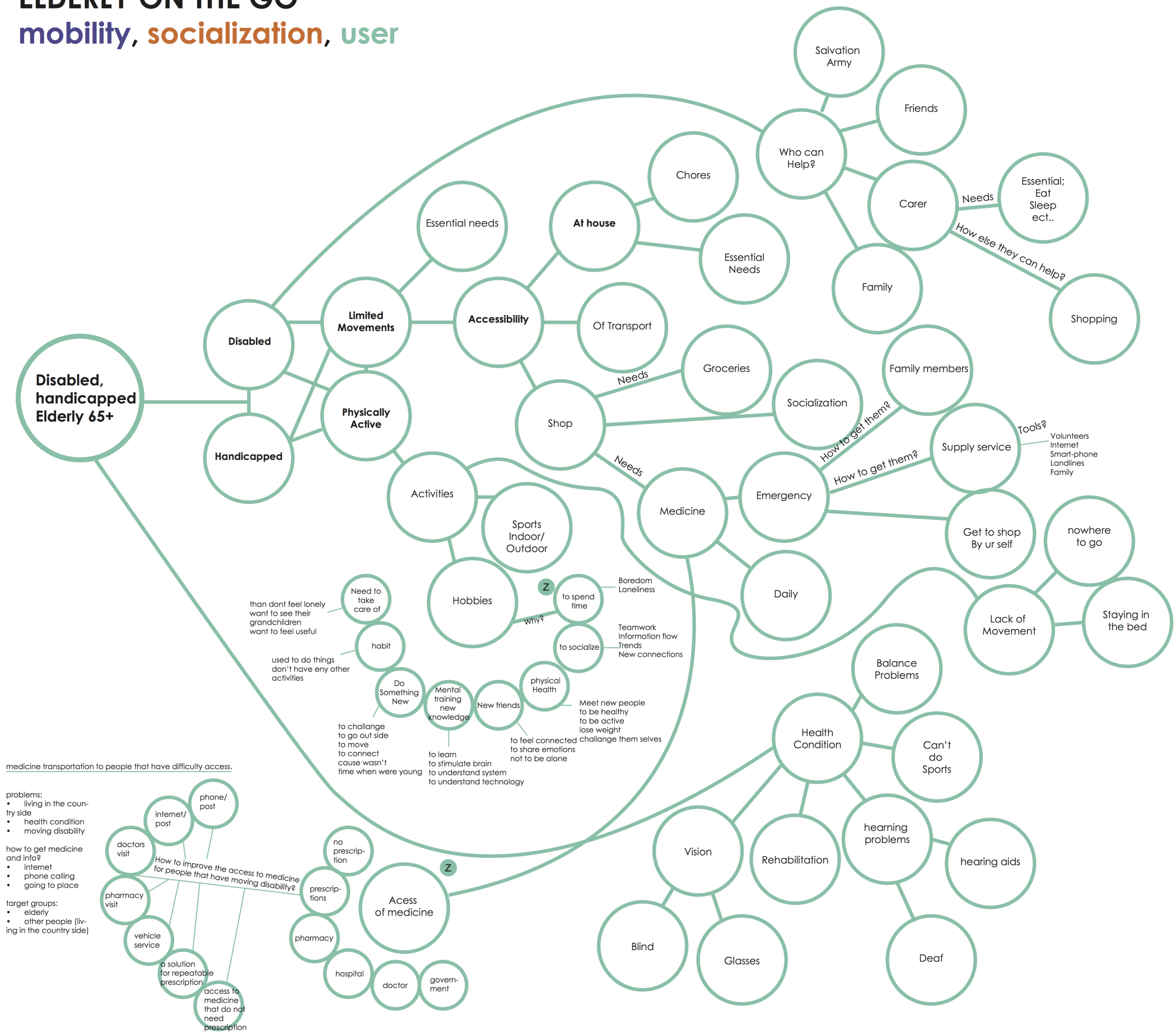
ELECTRONIC DISPLAY BOARDS

- FONT SIZE- LARGE ,EASY TO READ
- BRIGHTNESS
- HEIGHT - NOT TOO HIGH

02

Elderly on the go: Mobility, socialization, user

ELDERLY ON THE GO
mobility, socialization, user



medicine transportation to people that have difficulty access.

- problems:
- living in the country side
- health condition
- moving disability

- how to get medicine and info?
- internet
- phone calling
- going to place

- target groups:
- elderly
- other people (living in the country side)

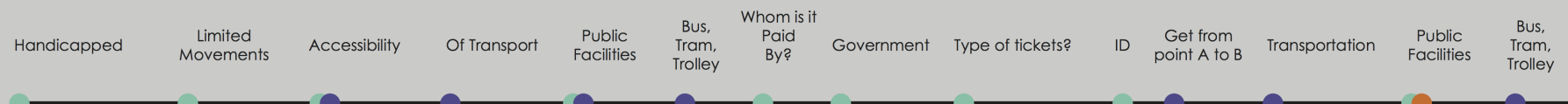
UX

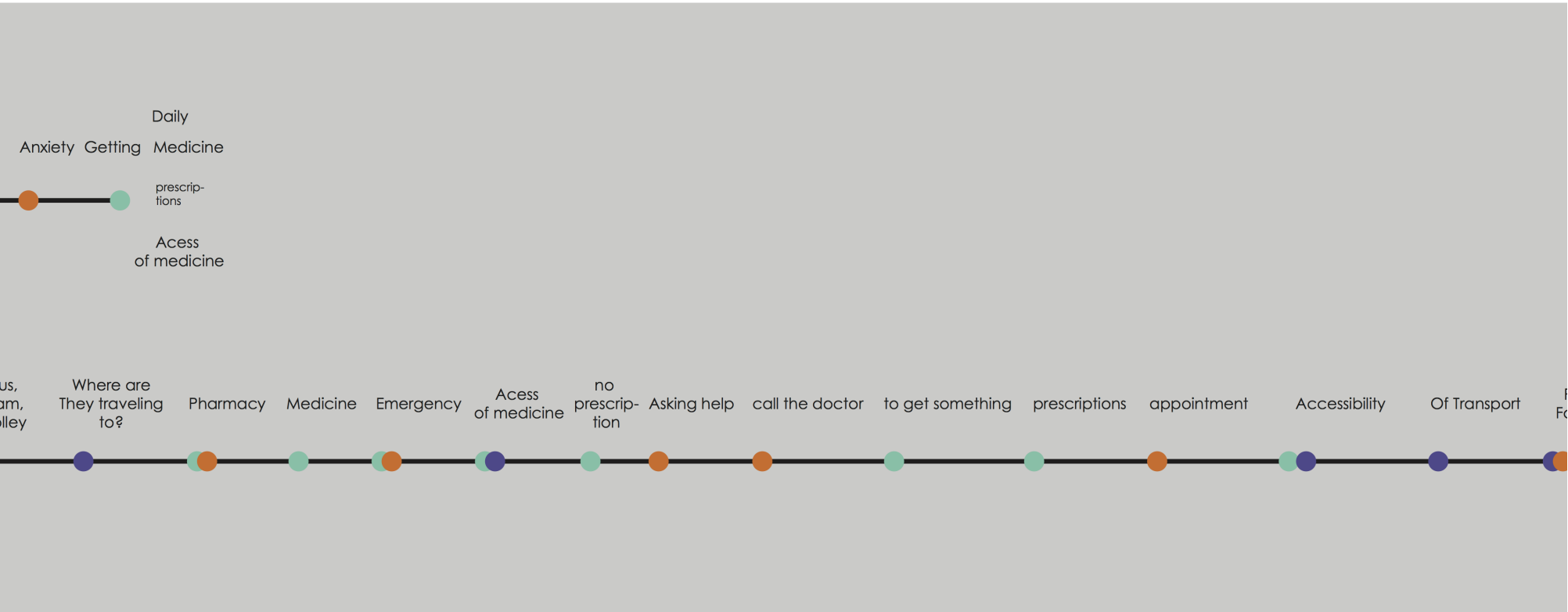
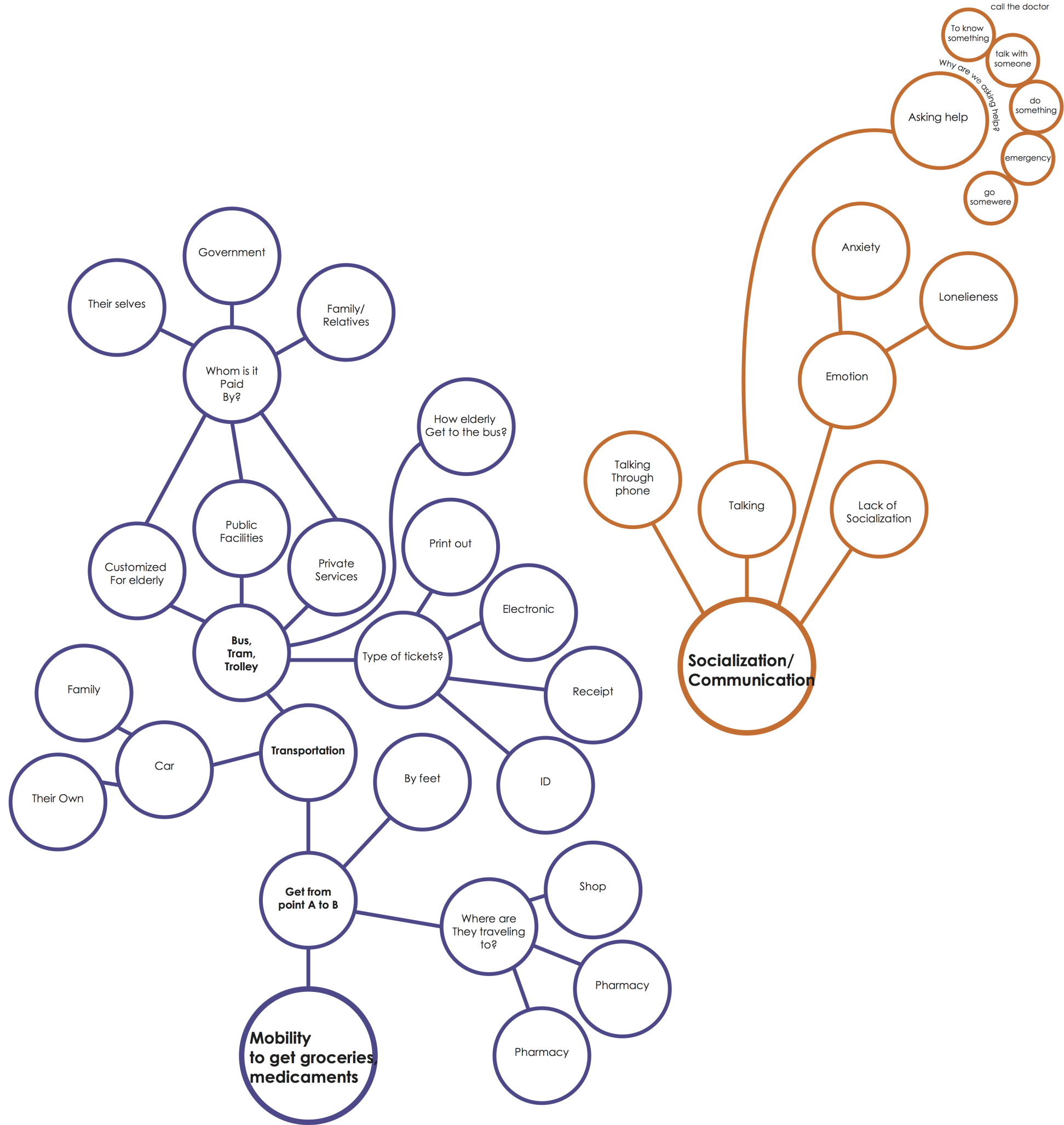


Disabled



Handicapped

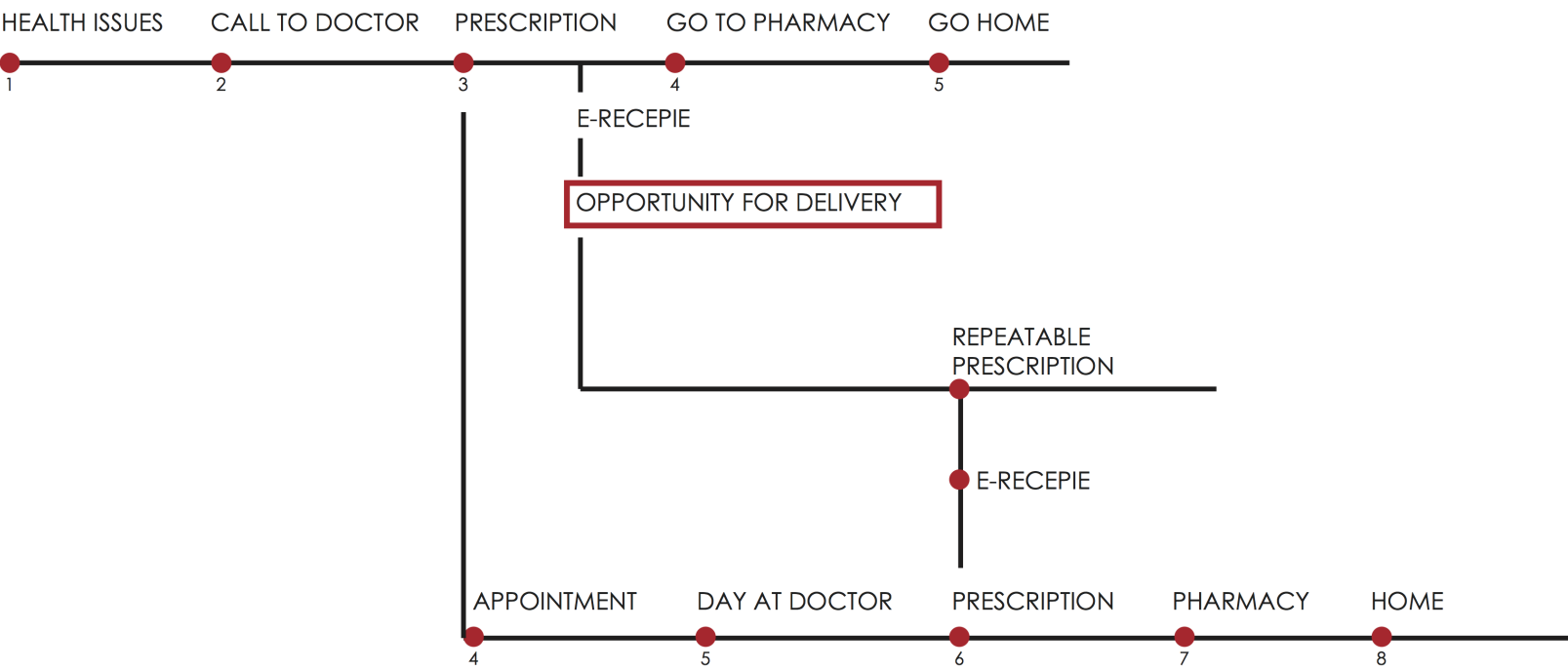




DEFINE BIEF

A Service That Provides Acces To Medicine For People Who Have Movment Disability's Or Living In Country Side.

TIMELINE TO GET MEDICINE

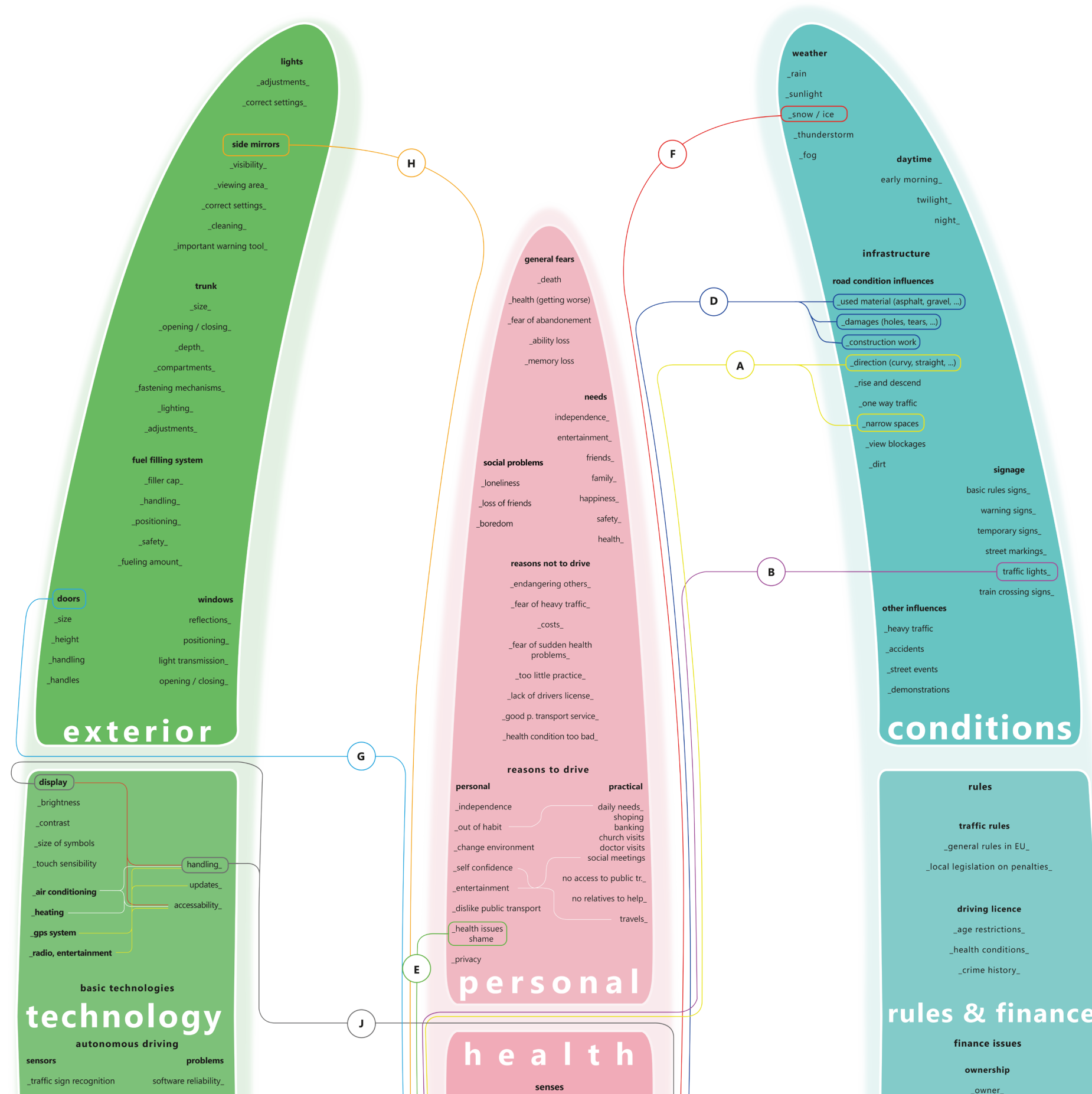


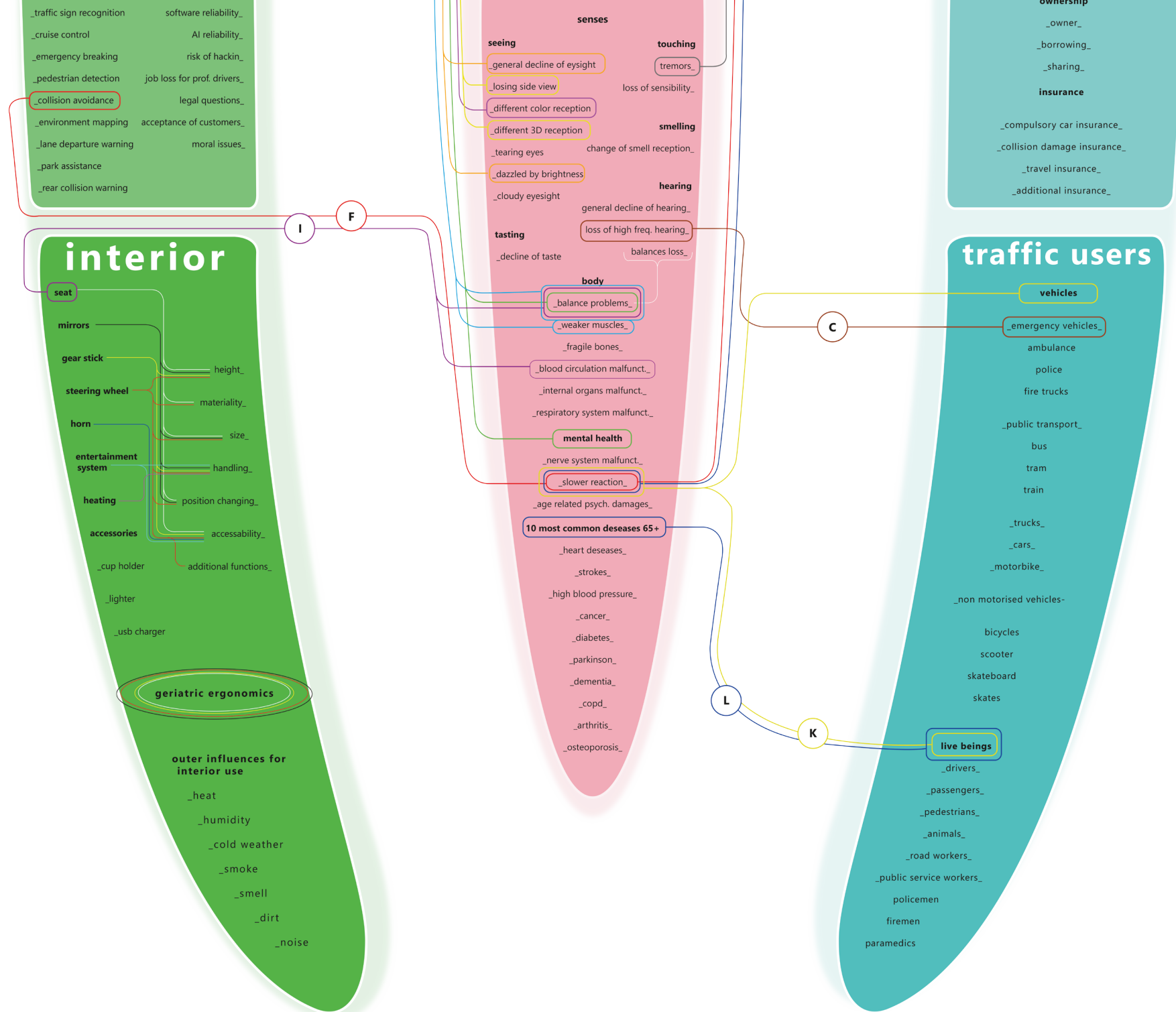
Martti Rosenblatt, Karīna Vītiņa, Mateusz Ligocki



03

Elderly driving





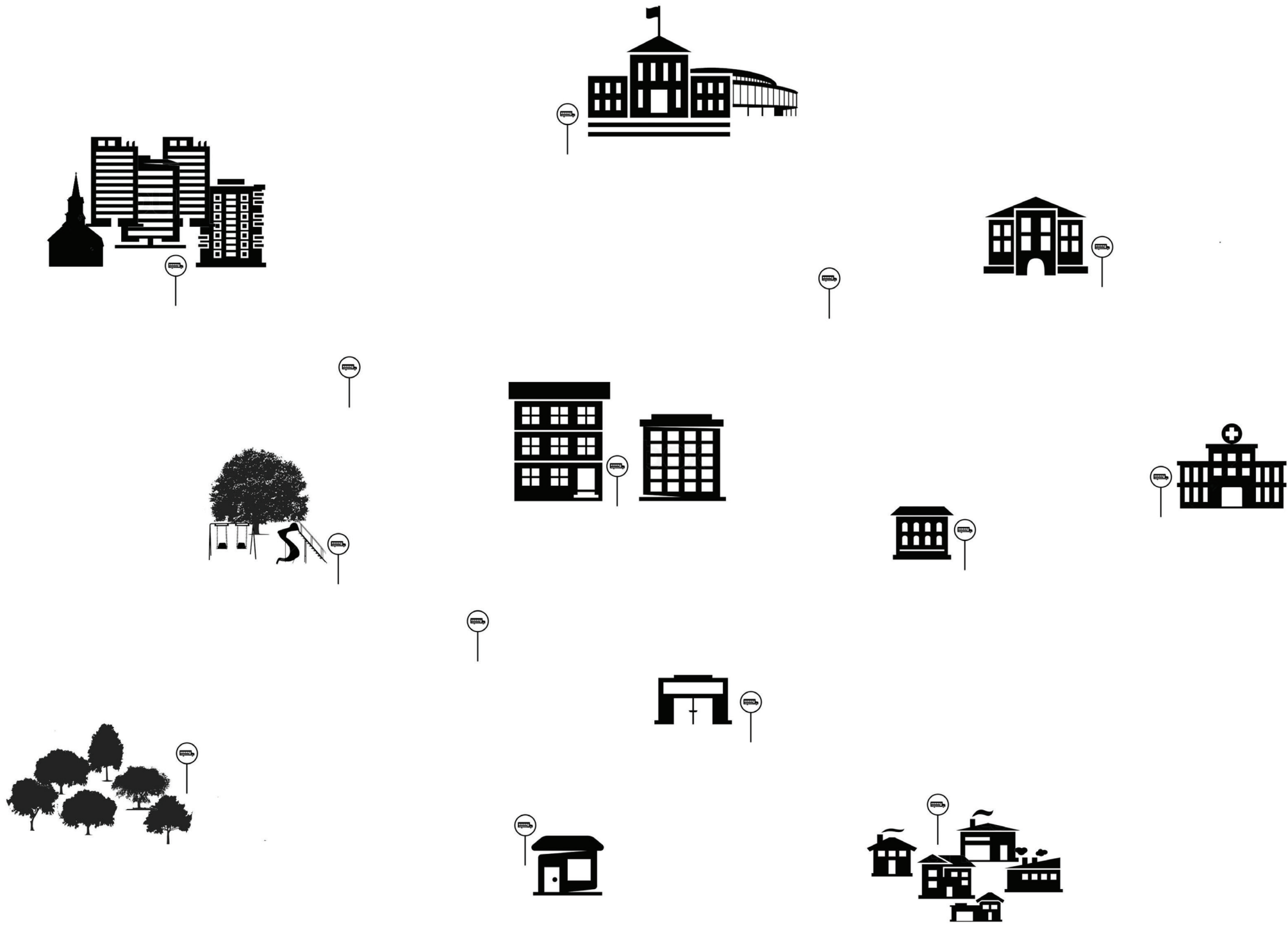
	PROBLEM	INNOVATION
A	Danger of accidents	technological systems to help driver stay on road
B	everything is more blueish	some solution through lenses
C	alarms not recognised	use of other frequencies
D	construction sites = new situation, dangerous	technology and signage can help the driver
E	ashamed of ageing process (health)	society problem; if solved, more people use public transport
F	accidents might happen fast	sensors & other technologies (autonomous driving)
G	difficult to get in/out	different ways of door opening
H	danger to cause accidents	cameras and displays instead of mirrors
I	difficult & painful to get in/out of car	different design for elderly
J	push wrong button might cause problems	voice system instead of buttons
K	slow reaction, slow driving or elderly	technological solutions
L	sudden health problems during driving	self driving system take over driving process, stopping



04

Increasing mobility for elderly

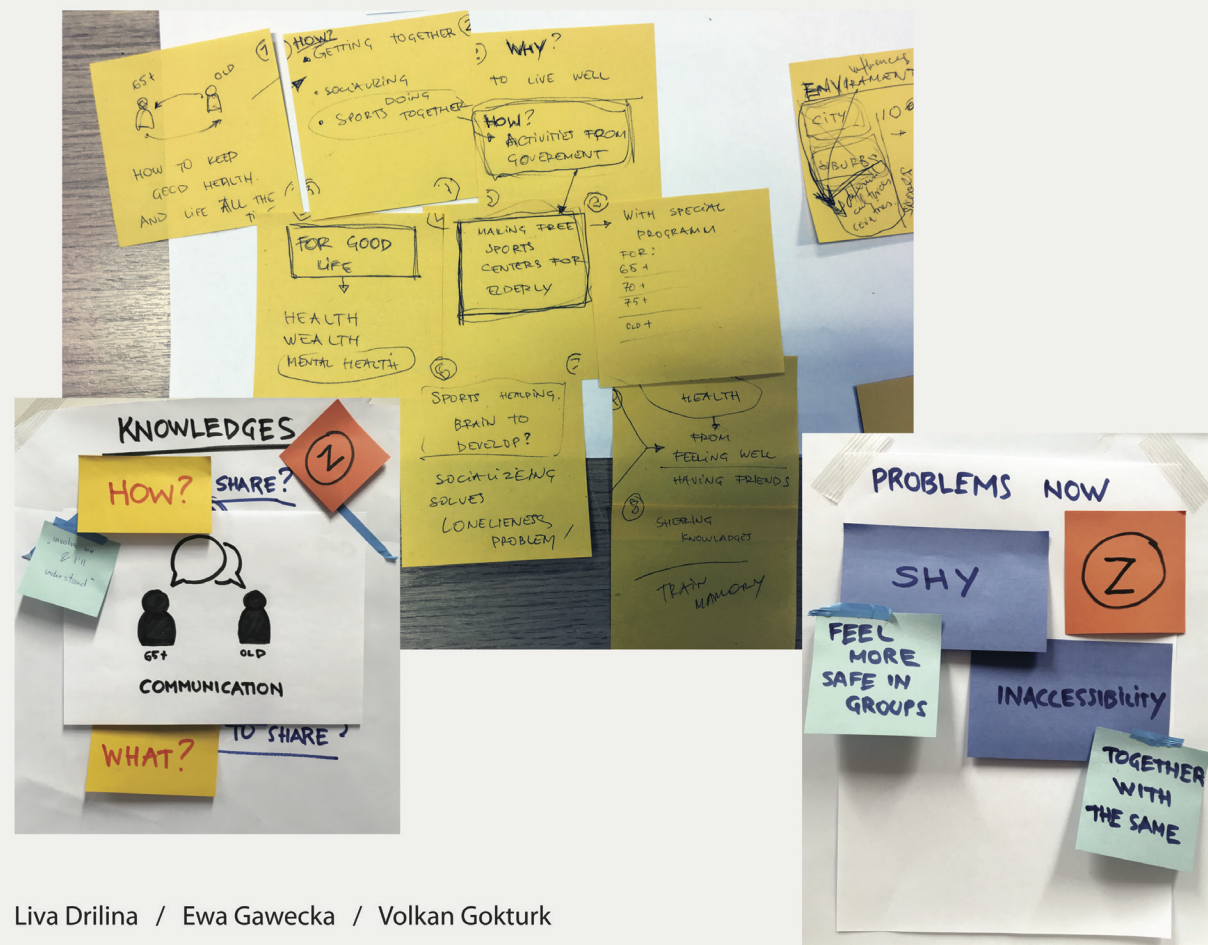
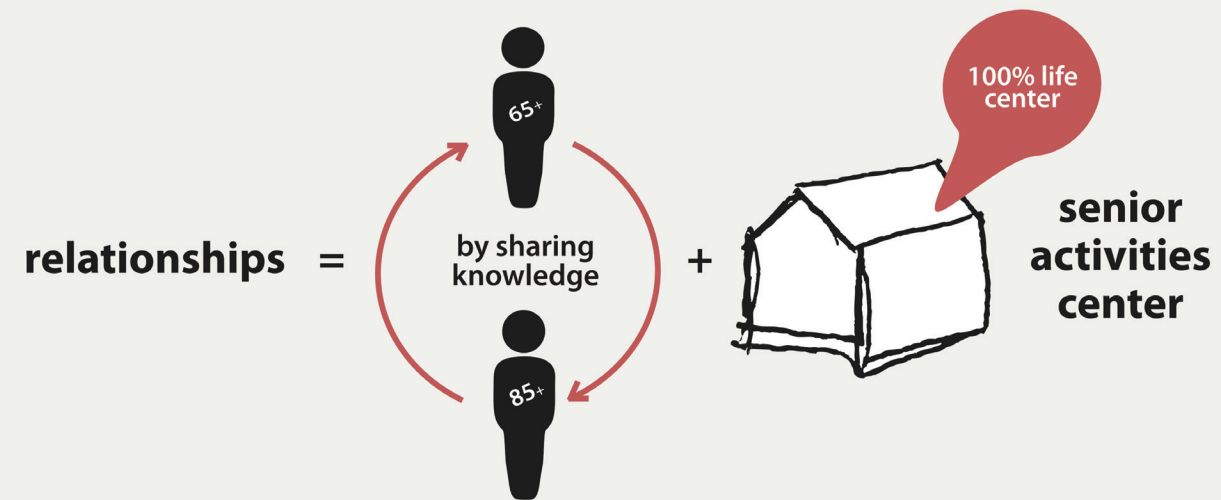
INCREASING MOBILITY FOR ELDERLY



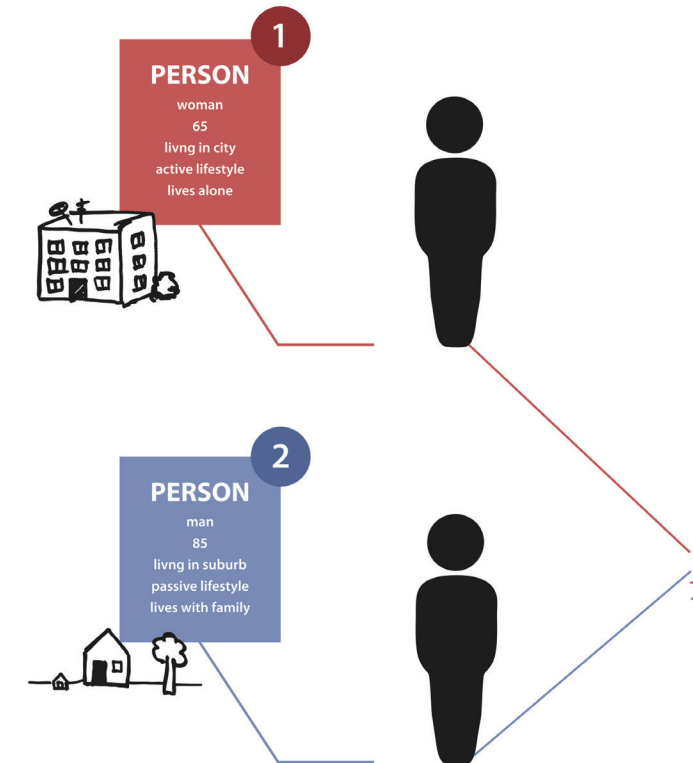
05

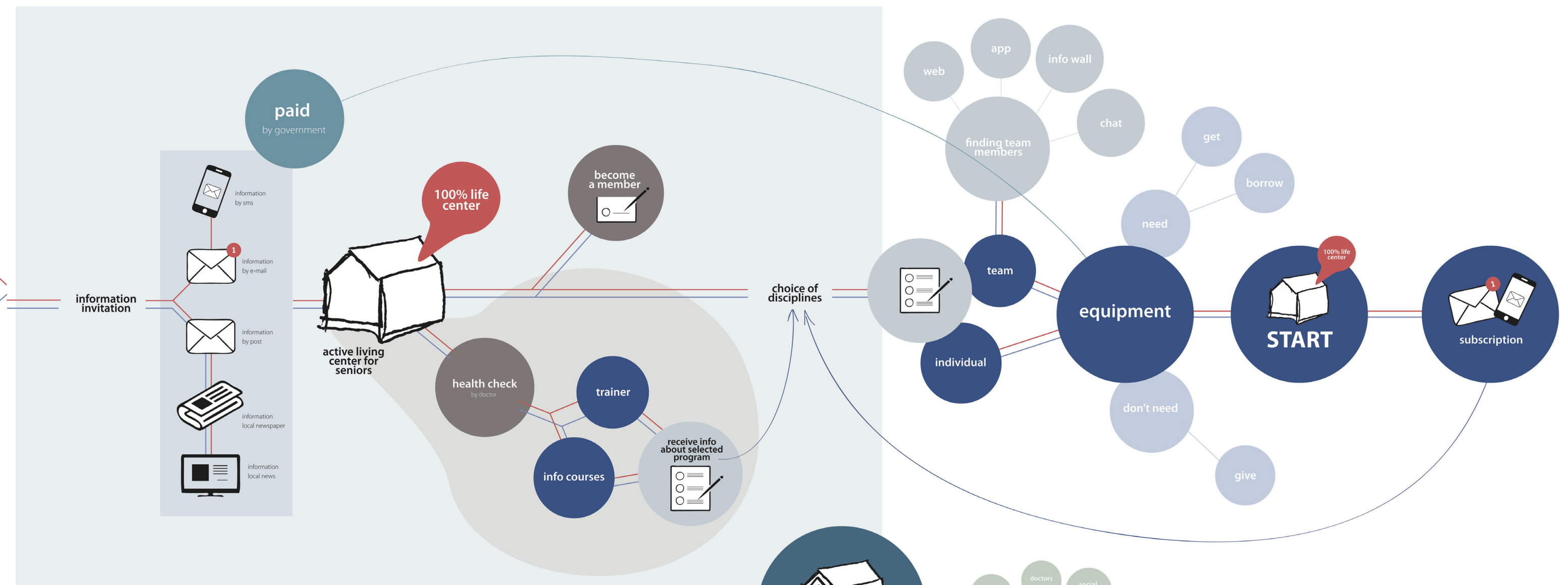
Prevention not medication

“prevention not medication”

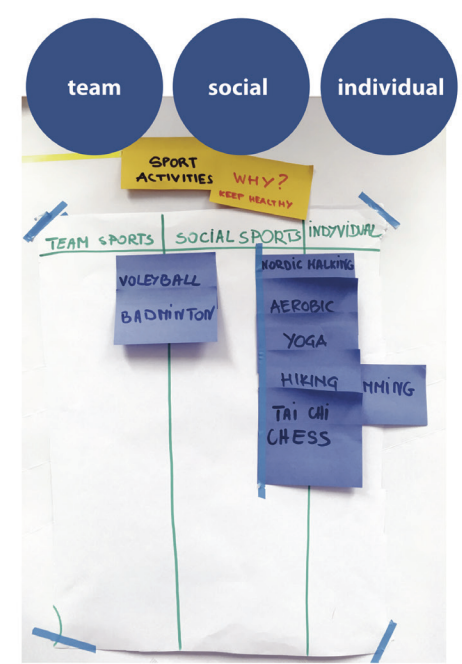


Liva Drilina / Ewa Gawecka / Volkan Gokturk

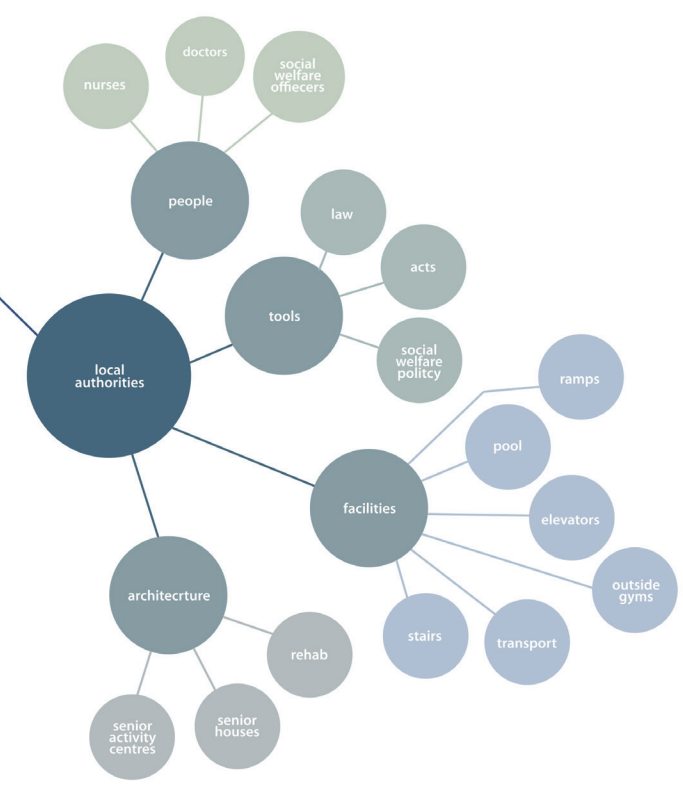
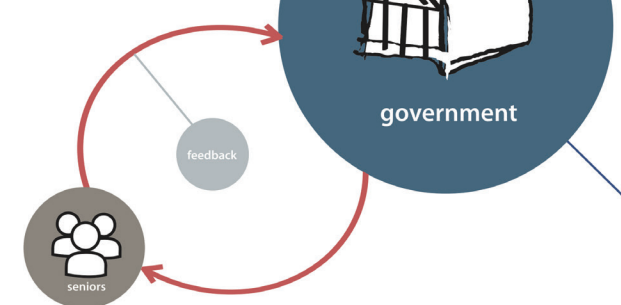




sport activities



prevention

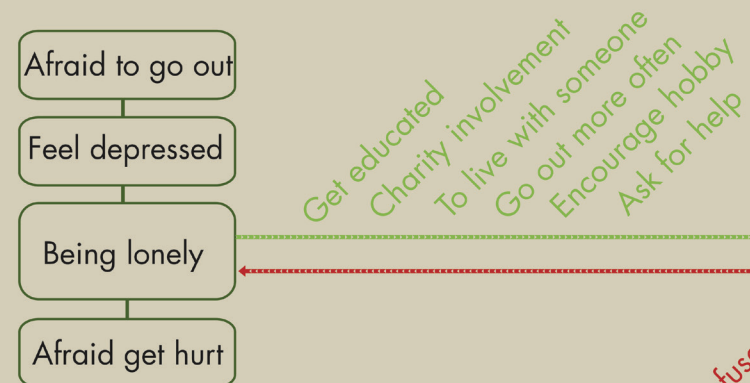
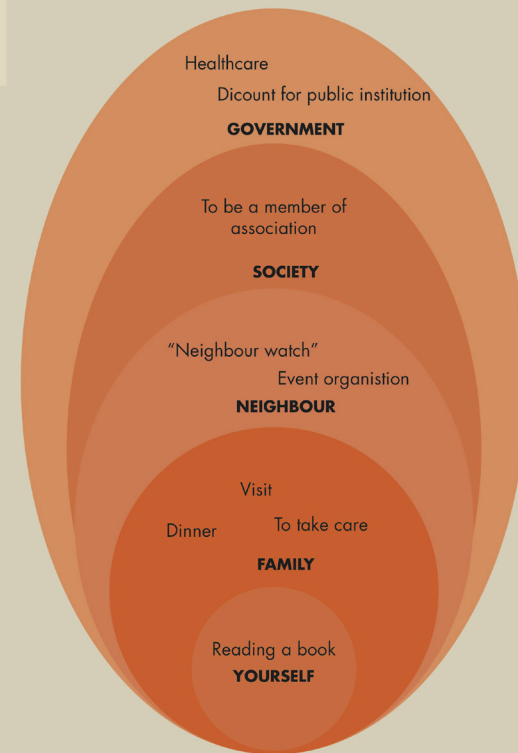


06

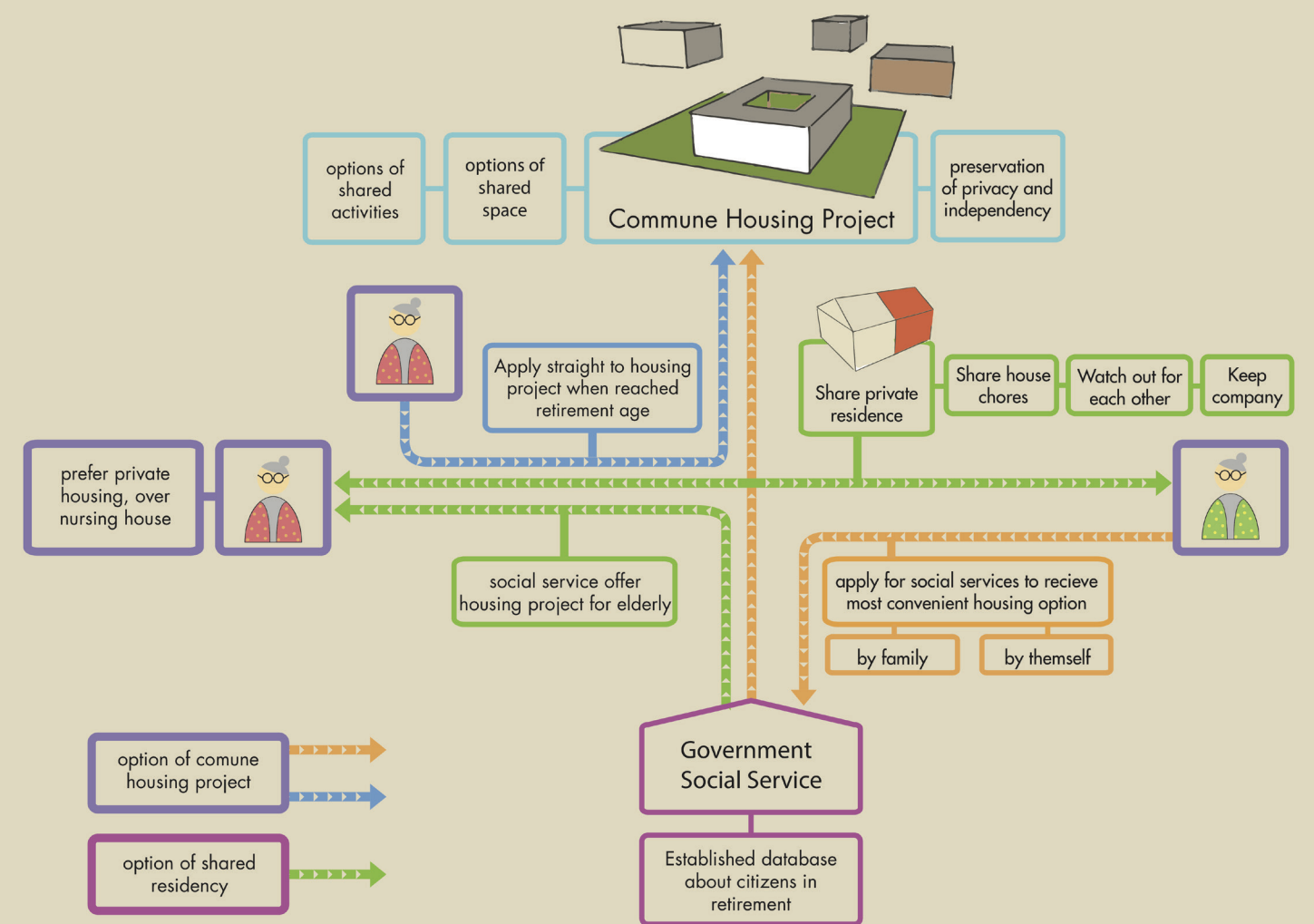
Loneliness & Elderly

& LONELINESS ELDERLY

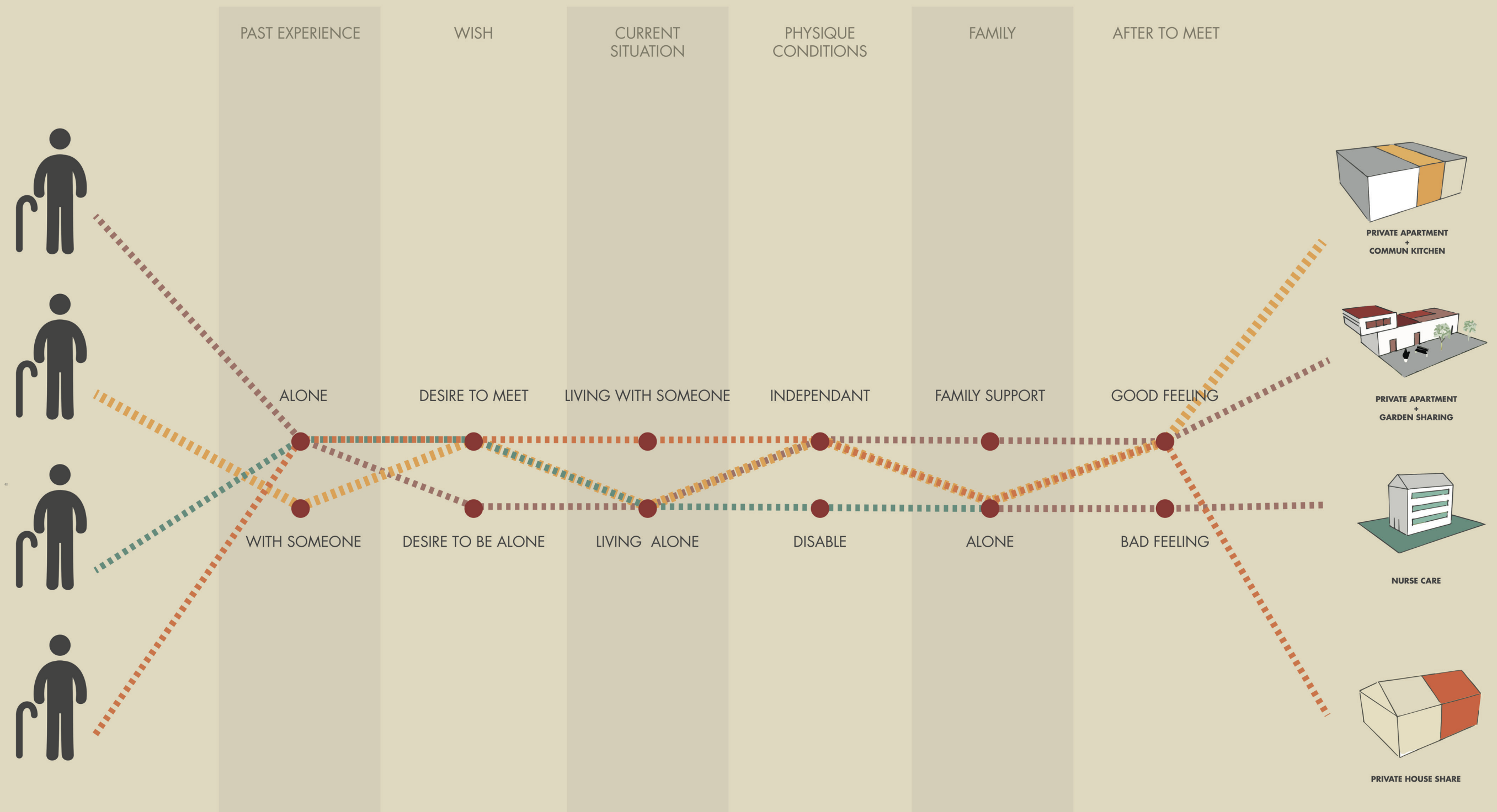
Richard RUSIS - Katarzyna JACKOWSKA - Sophie FARINES



RESEARCH



COMMUNE HOUSING SYSTEM



USAGE OF COMMUNE HOUSING