A NEW SOCIALLY SIGNIFICANT PROJECT TO HELP THE BLIND NAVIGATE THE BUILDING. AS WELL AS BUILDING A ROUTE IN THE PREMISES AND FINDING A DESTINATION FOR ORDINARY USERS
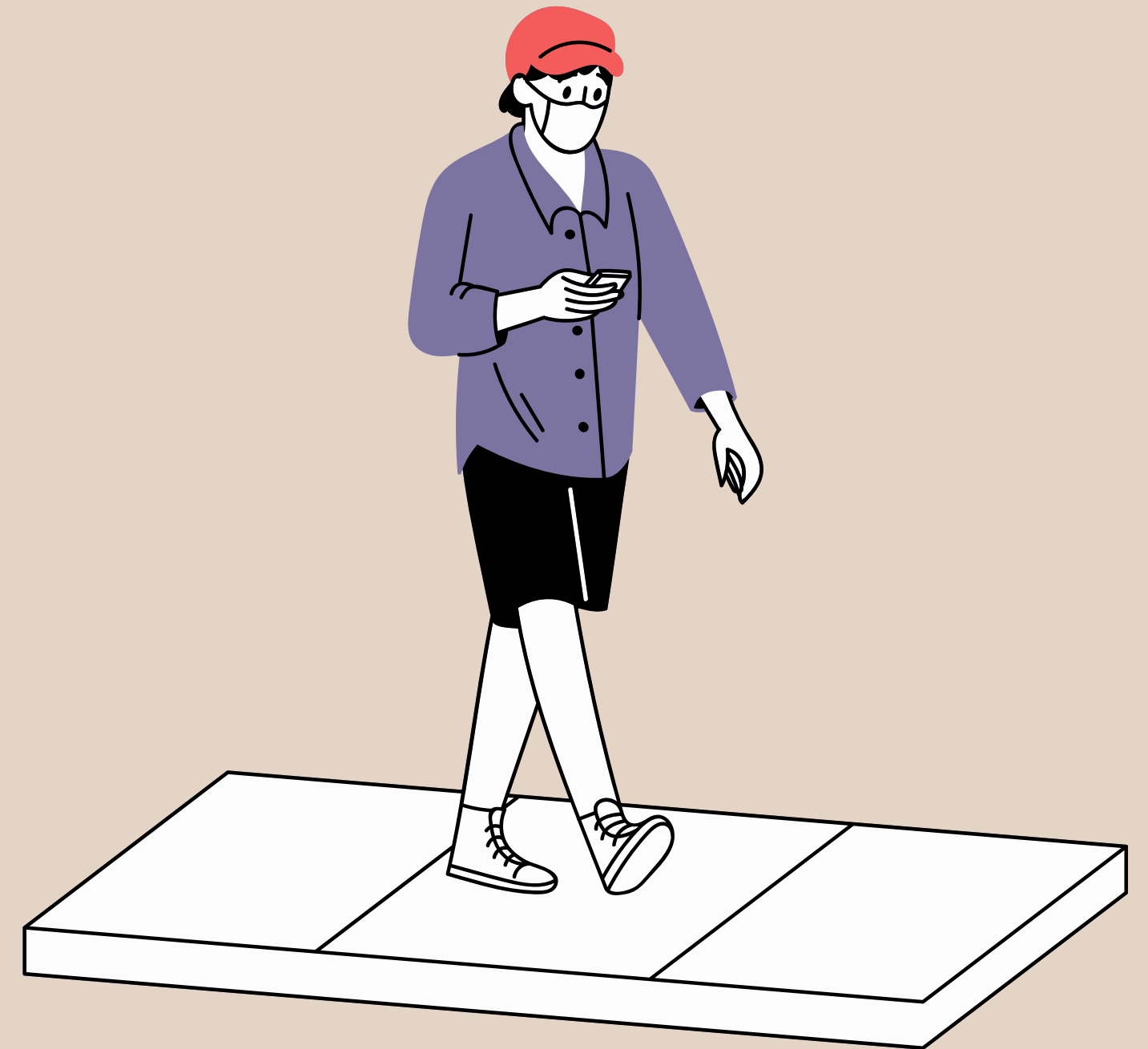
APP NAVIGATOR

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- is

a building navigator for the blind, which allows not only to bypass obstacles on the way, but also to find the right premises, determine the current location, as well as to bypass obstacles

Why is it needed?

- Development of an accessible environment for people with disabilities
- The first navigation of buildings on the territory of the Russian Federation
- Building optimal routes on the territory of various public places
- Addition to the white cane

PROBLEMS

For users with disabilities

- Inflated price for other auxiliary movement devices
- The only option to find the right room in the building: volunteers
- The inability to determine the current location with the help of other auxiliary devices
- Small coverage of the studied area with a white cane

Marketplace

There is no successfully created application running on the territory of the Russian Federation. There are only imported analogues

Time

It takes quite a long time to find the right room in the building

New buildings

Lack of automatic layout of the plan

For regular users

- Difficulties in finding premises in new buildings
- Difficulties in building the optimal route in the premises (for example, to the store in the shopping center)

DECISIONS

For users with disabilities

- Free app
- Simplified version of the search for the right room in the building
- Quick determination of the current location with an accuracy of up to a meter
- Increased coverage of the studied area

For regular users

- Easy search of premises in the building
- Fast construction of the optimal route

Marketplace

The first application for navigation in buildings on the territory of the Russian Federation has been created

Time

The search time for the right room in the building is minimized

New buildings

Creating automatic markup based on the building plan

MODULAR ARCHITECTURE

1. *Building a route*
2. *Positioning*
3. *Automatic layout of the plan*
4. *Image Analysis*
5. *Voice Assistant*
6. *Automatic route construction*
7. *Web interface*
8. *Application*

APP
NAVIGATOR