Smart Mobility Application

Made By: Diana Enoiu
Doroteea Șandor
Iulia Rus
Borbála Fazakas

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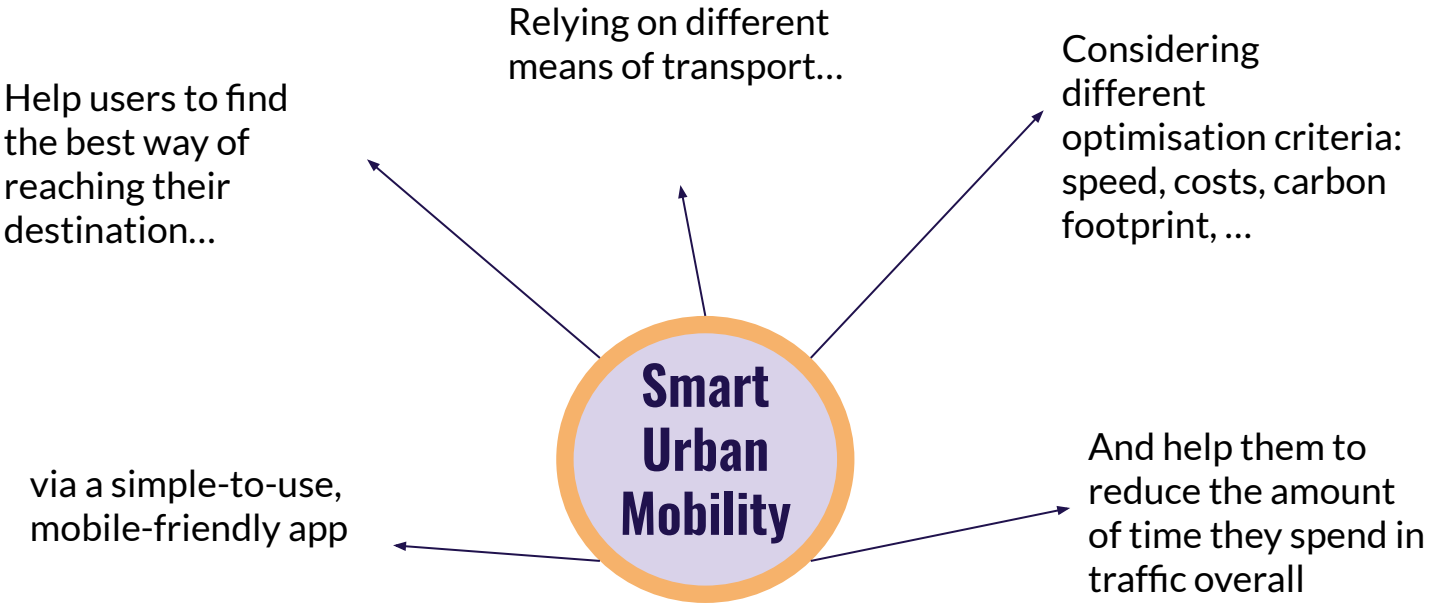
PROJECT DESCRIPTION



OBJECTIVES

HELPFUL

We want this application to be of great help for all users that want to organize efficiently their commuting routes and time

COMPLETE

A complete application that has all the features needed to optimize your travel time and route as an alternative to downloading 2 or 3 transportation apps to feel that you have all the needed features to commute efficiently

CUSTOMIZABLE

A fully customizable application that allows the user to introduce its preferences in terms of possibilities and desired mean of transport

MAIN CHALLENGES:

WHY BUILDING A SMART MOBILITY APP IS DIFFICULT?

Different Data Sources

ALl providers have their own platforms (see Bolt, Uber, CLujBike, ...), and it's difficult to collect all their data into one app

Endless Criteria for the Search

Most user intents are simple ("reach point A as soon as possible"), yet the number of customisation options that should be offered without making the basic flow unnecessarily complicated is endless

High Uncertainty

It's difficult to plan in advance given the high uncertainty in traffic. Still, the users expect accurate predictions of the travel times

MAIN CHALLENGES:

THAT WE FACED DURING THE DEVELOPMENT

Unfamiliarity with Android

Unfamiliarity with Kotlin

Unfamiliarity with the best practices for teamwork in a UI-focused project

USER ATTRIBUTES

Users from cities that would like to get from one point to another.

Each user has a different background and therefore different needs that should be taken into consideration.

USER ATTRIBUTES

Users with disabilities, elderly people and children can also use this application, and they need to specify the above information so that they do not get routes that are physically impossible for them.

USER ATTRIBUTES

Another type of users are companies, that should provide us with up-to-date information about different public transportation means

INNOVATIVE IDEAS

PLANNING A ROUTE IN ADVANCE

Not every travel intent has to be done right now, sometimes we can plan in advance. Our idea is to let the user provide us the data about the routes that are meant to happen in the future, so that our application finds a better routes, with less time spent in traffic, cheaper and more ecological.

Flexible travel intent

Regular travel intent

INNOVATIVE IDEAS

COMPANIES CAN PROVIDE DATA IN OUR APPLICATION

A problem smart mobility apps usually face is getting data in real time about various travel means, suck as bikes, scooters etc. For this companies can also have an account in our application where they can provide useful information about the transport means that belonging to them.

DISABLED USERS CAN USE OUR APP

Every user can customize which routes to be found, by accessing the user preferences in our application.

THANKS

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