

core features



- 100% electric, fully autonomous vehicles
- available 24/7
- convenience of Uber, confidence of taxi
- request cab for specific address
- all system functionality provided by computer algorithm
- humans needed only for conservation



implementation - technologies



- all back-end written in C++ with Crow, nlohmann::json, cURL and cURLpp
- deep usage of OPP and multithreading
- maps service by Google Maps
- sample front-end made in TypeScript
- running on Debian 8

















implementation – internal modules



main

system logic

vehicles data

bases data

server

Crow app with routes for all services

simulator

simulator of vehicles

simulator of bases generator

generator of random requests for rides

implementation – all modules





main

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compiled TypeScript

main.html

static content

web app

JSON API



