IntelChair

Project in Informatics Engineering 2018/2019 Final Presentation

Group 7

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Context





IntelChair









Laptop



RGBD Camera



Laser Rangefinder



Inertial Motion Unit

Motorized Wheelchair

Main Features

Extra Features



Manual Control



Room Mapping



Navigation



Voice Control



Follow User



Object Avoidance

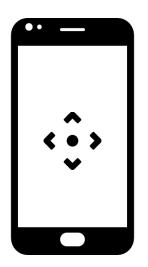
How it looks



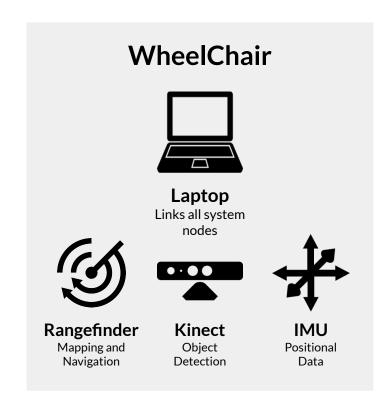




Our System

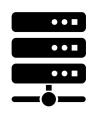


SmartphoneMobile Application for the user





Dashboard
Management tool
for admins



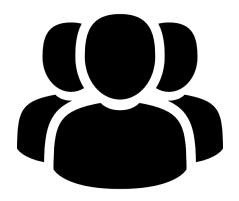
ServerUser access and

User access and Map management

Dashboard



Wheelchairs
Create and manage Wheelchairs

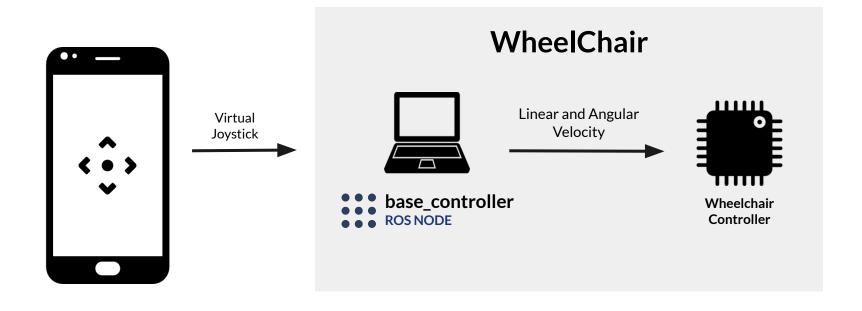


Users
Control user access and permissions

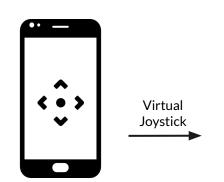


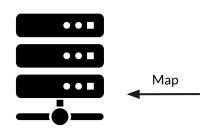
MapsManage all generated maps

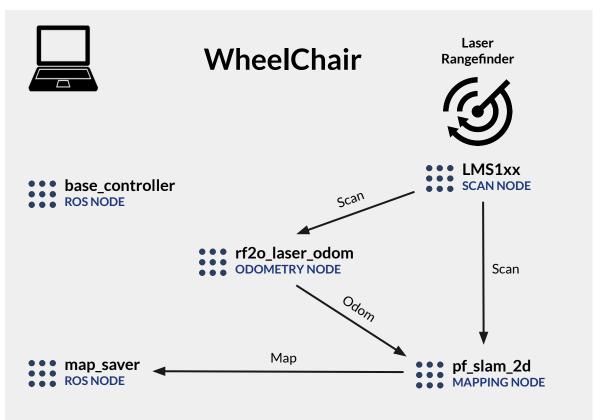
Manual Control



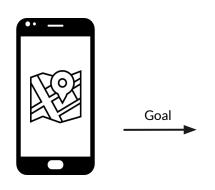
Mapping



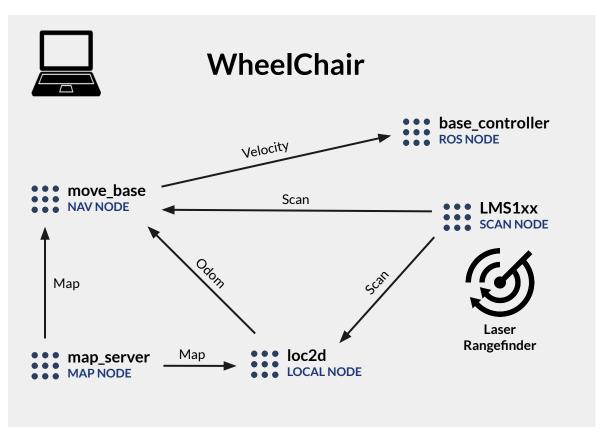




Navigation







Lines Of Code

