# **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** 

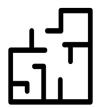
**Motorized Wheelchair** 

#### **Main Features**

### **Extra Features**



**Manual Control** 



**Room Mapping** 



**Navigation** 



**Voice Control** 



**Follow User** 



**Object Avoidance** 

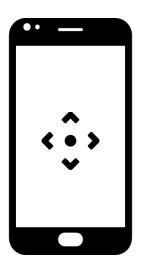
### **How it looks**



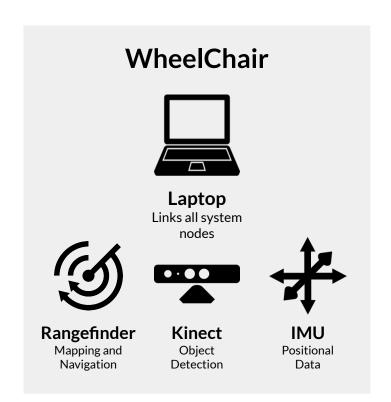




### **Our System**



**Smartphone**Mobile Application for the user





Dashboard
Management tool
for admins

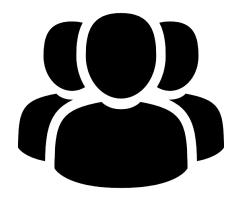


User access and Map management

#### **Dashboard**



Wheelchairs
Create and manage Wheelchairs

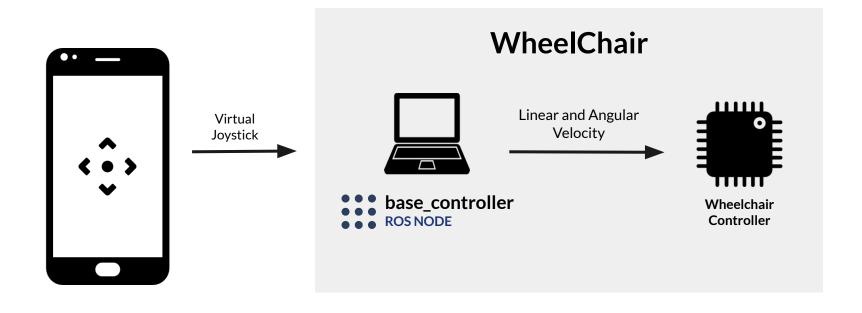


Users
Control user access and permissions

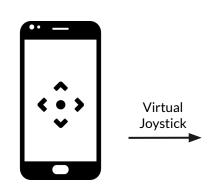


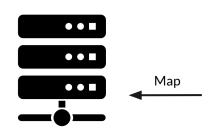
**Maps**Manage all generated maps

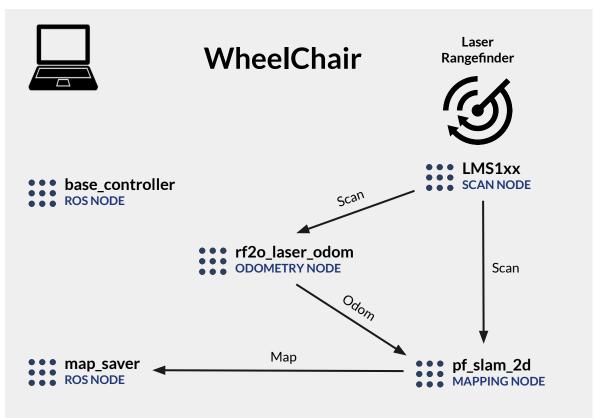
#### **Manual Control**



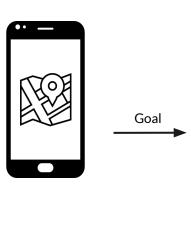
## **Mapping**



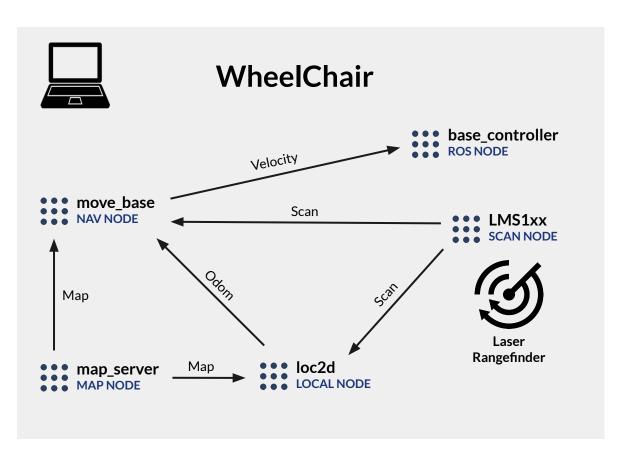




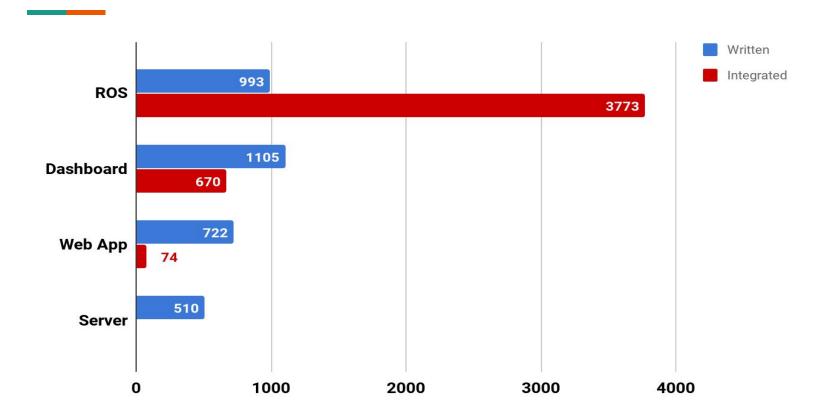
### **Navigation**







#### **Lines Of Code**



### **Real Scenario**

