

# *Voice*

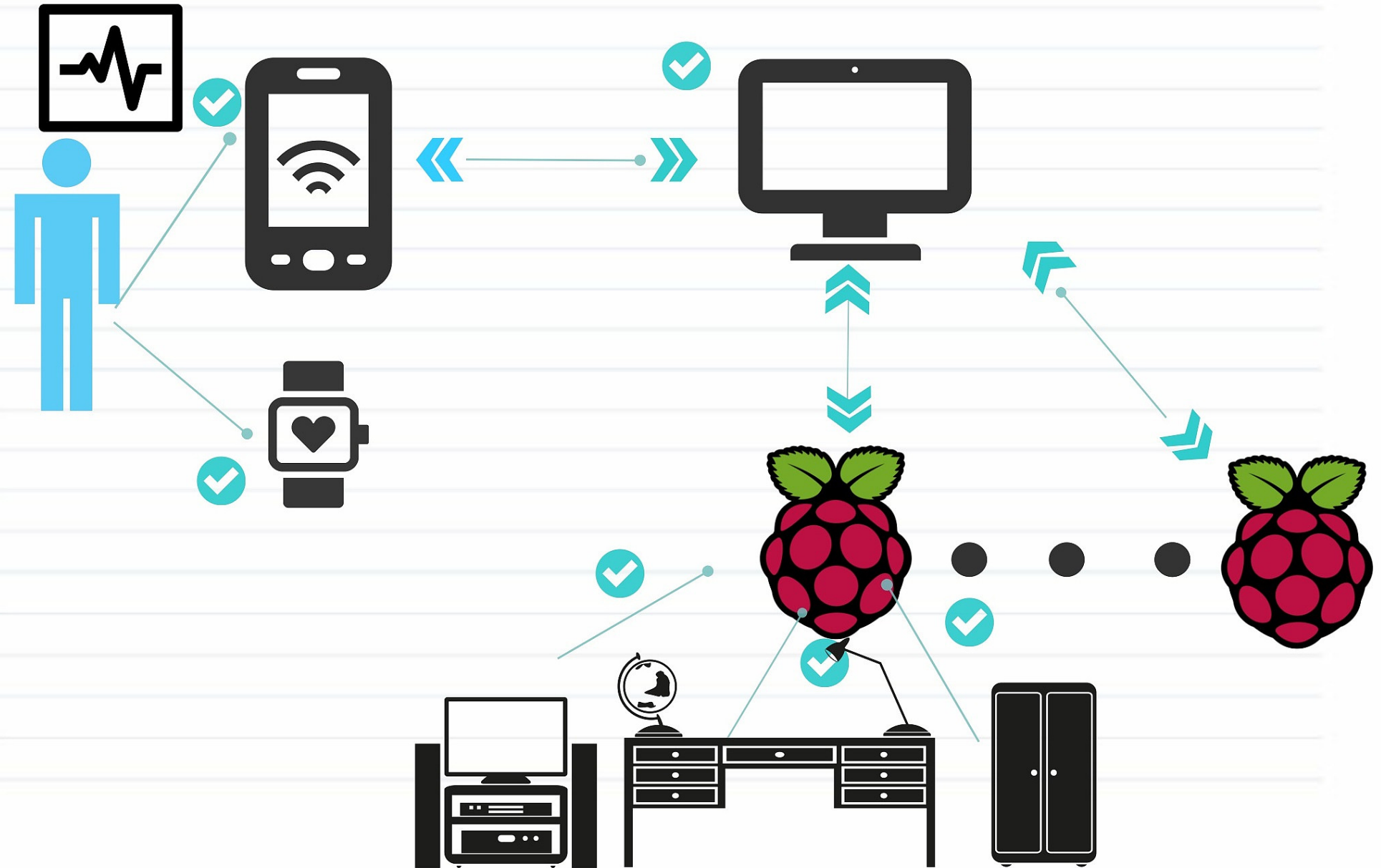
TEAM 6







# Scenario





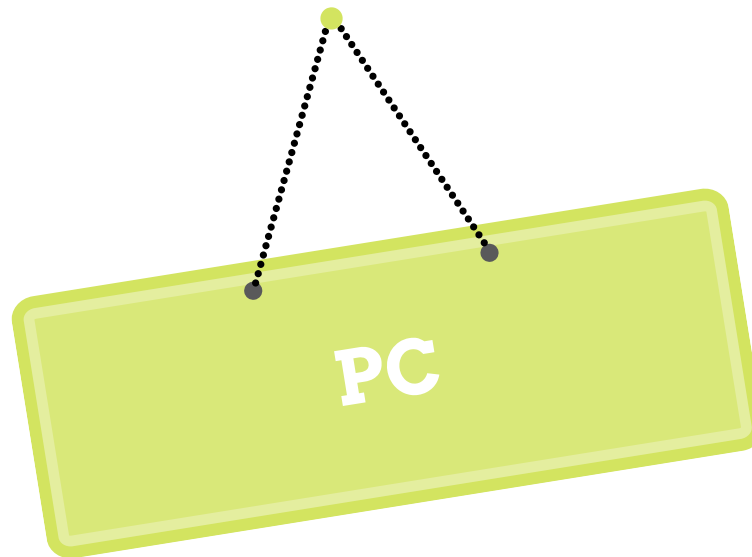
**Demo**

# User interface

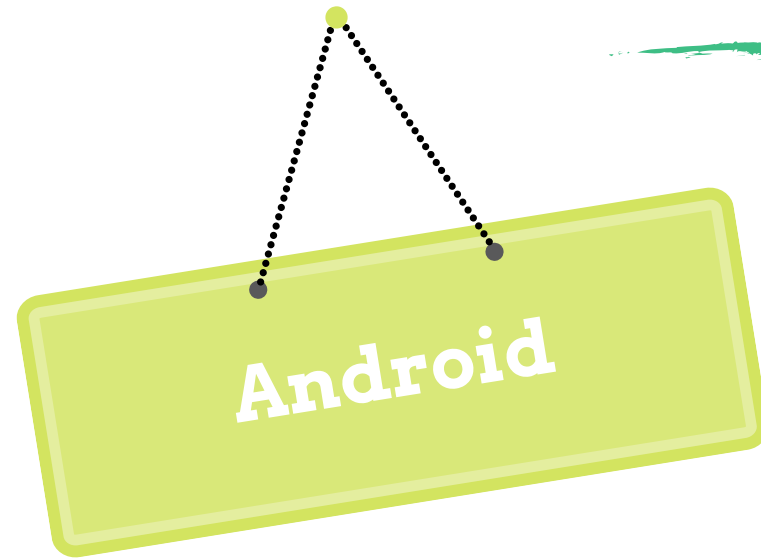
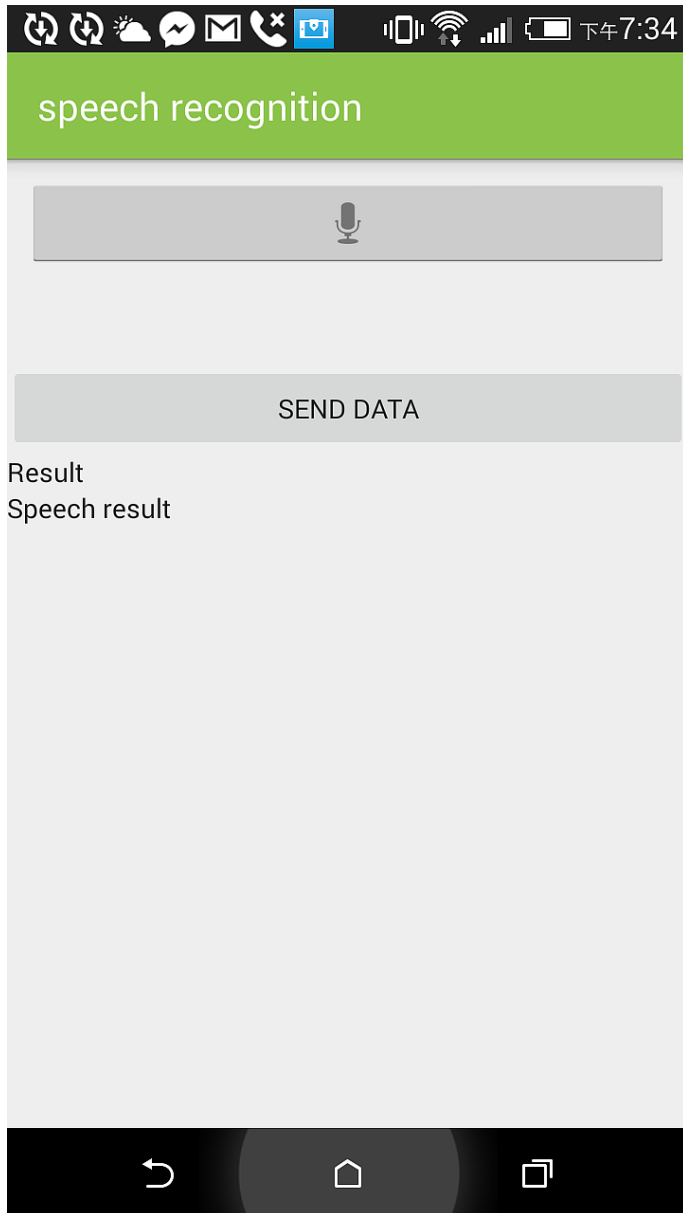
🎯 Devices list

Logout

User	tv	<div>turn on ▼</div>	stereo	<div>turn on ▼</div>	fan	<div>turn on ▼</div>	light	<div>turn on ▼</div>	webcam	<div>turn on ▼</div>
username	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>	



# User interface



# System architecture

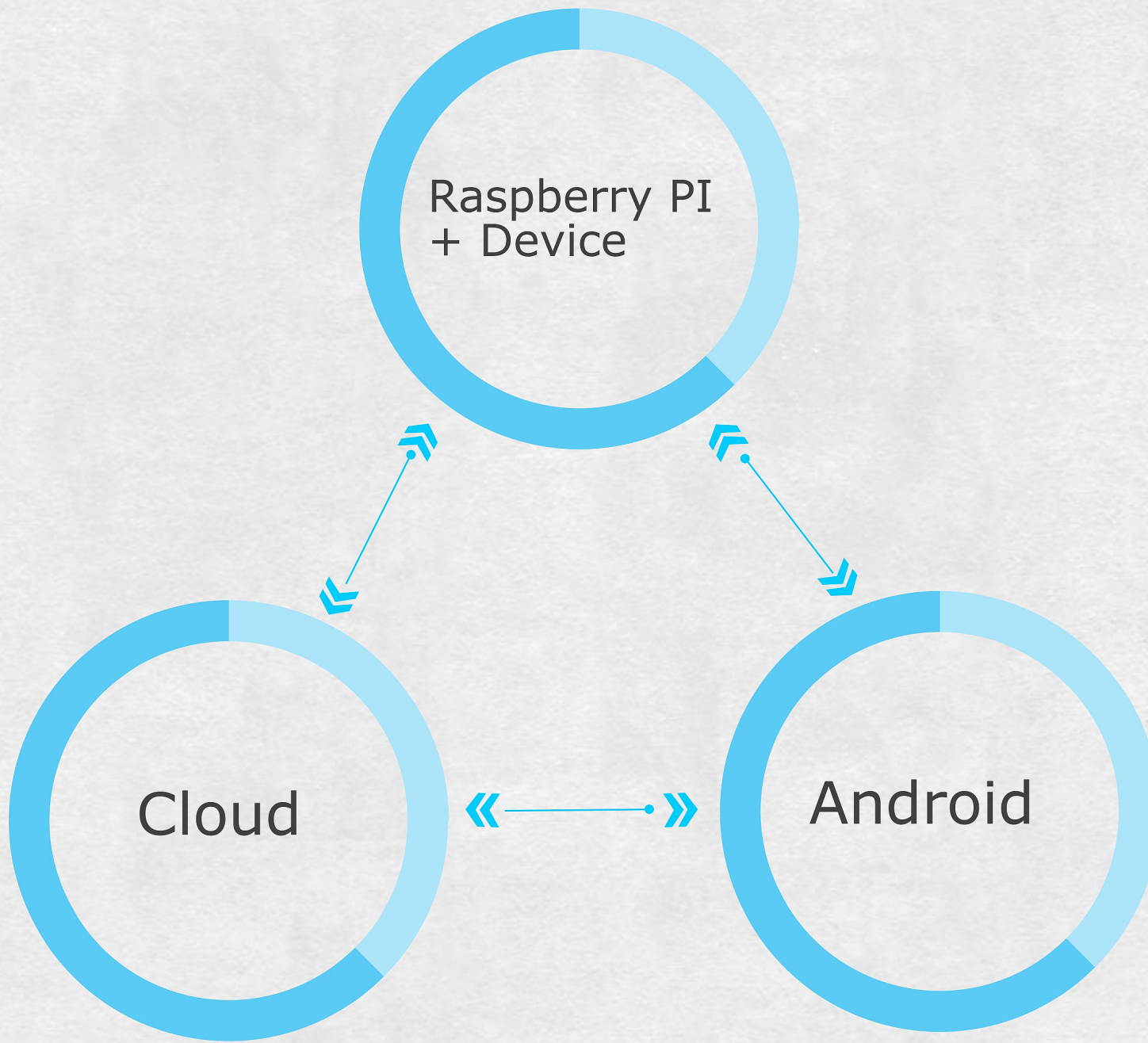


**Mobile phone : Android 4.4.2**

**Cloud : NodeJS + MongoDB**

**Device : Raspberry pi + light +  
stereo + webcam + IR**

# Machine to machine communication



Light

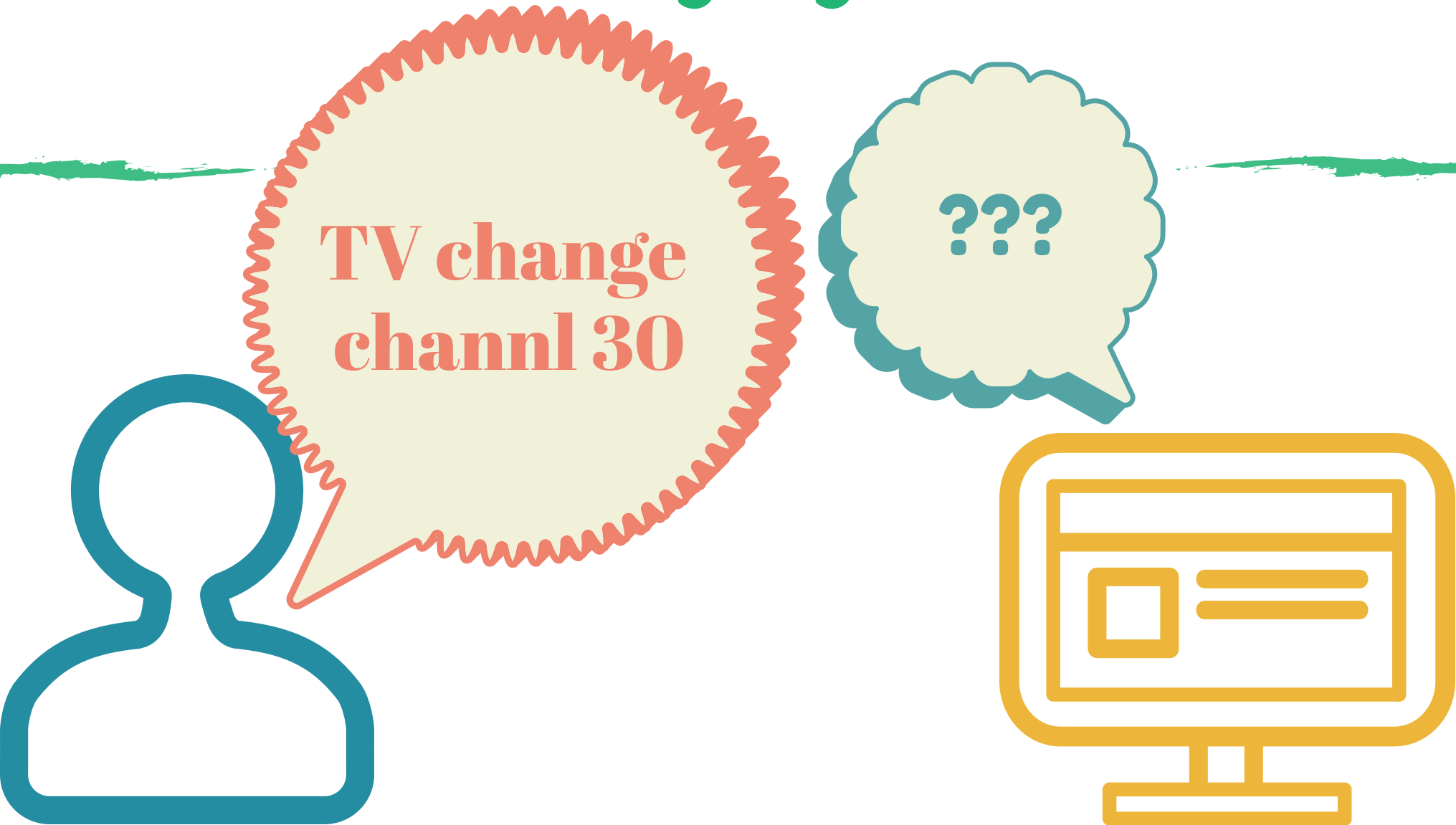
```
"light" = {  
  "device" : "light",  
  "action" : "turn on",  
  "number" : "number"  
}
```

TV

```
"tv" = {  
  "device" : "tv",  
  "action" : "change  
channel",  
  "number" : 20  
}
```



# How machines understand human language



# Parsing

**S + Vi**

**S + Vt + □**

**S : Device -> TV, webcam, light, ...**

**V : turn on, Change Channel**

**□ : number**

# Database

devices 0 sec.		
Key	Value	Type
▼ (1) ObjectId("55780e874de251368096a63e")	{ 4 fields }	Object
_id	ObjectId("55780e874de251368096a63e")	ObjectId
▼ actions	Array [5]	Array
0	turn on	String
1	turn off	String
2	change channel	String
3	volume up	String
4	volume down	String
device_name	tv	String
ip_address	127.0.0.1:7788	String
▼ (2) ObjectId("5578766ba376442338e9bee8")	{ 4 fields }	Object
_id	ObjectId("5578766ba376442338e9bee8")	ObjectId
▼ actions	Array [5]	Array
0	turn on	String
1	turn off	String
2	change channel	String
3	volume up	String
4	volume down	String
device_name	stereo	String
ip_address	127.0.0.1:7788	String

# Conclusion



- 1. Voice make your home smart**
- 2. If our team have more time and money**



**Thank you**