

Smart Supermarket

Networked Embedded Systems Project

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A. Y. 2018-2019

Why Smart Supermarket?

- Save time at the cash out
- Improve product tracking efficiency
- Increase customer's satisfaction





Solutions

- Salvatempo
 - ▶ You must remember to scan the barcode
- Our Smart Supermarket
 - You must remember to put the product in the cart
 - ▶ The cart scans the product for you

Infrastructure







CART ASSIGNER



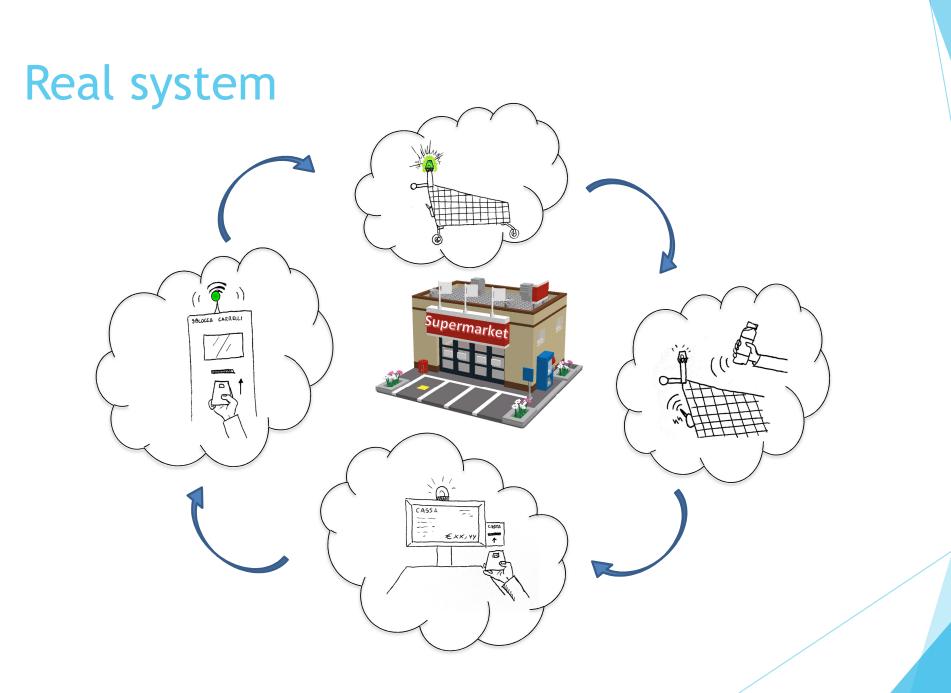
SMART CART EQUIPED WITH RFID READER



RFID TAG PRODUCTS



CASH REGISTER



Nonfunctional requirements



Reliable transport protocol

Maintain consistency



Secure communication

User privacy

Simulation



Cart Assigner **(1)**





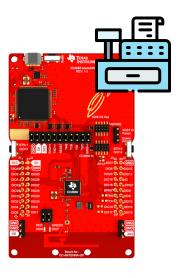


Shopping cart (10-18)









Cash register (19)



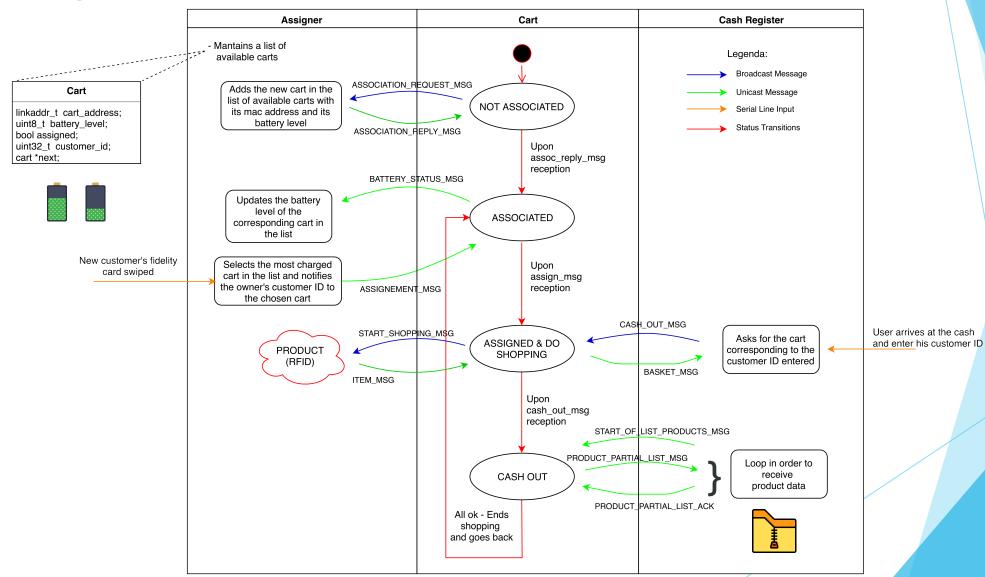




RFID Product (8)



Implementation



Demo

