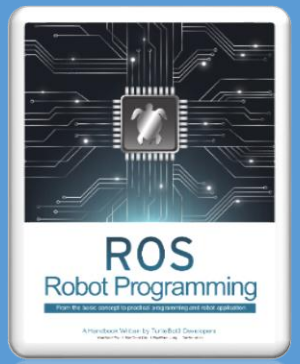
Service Robot

ROBOTIS

KAIST



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Textbook
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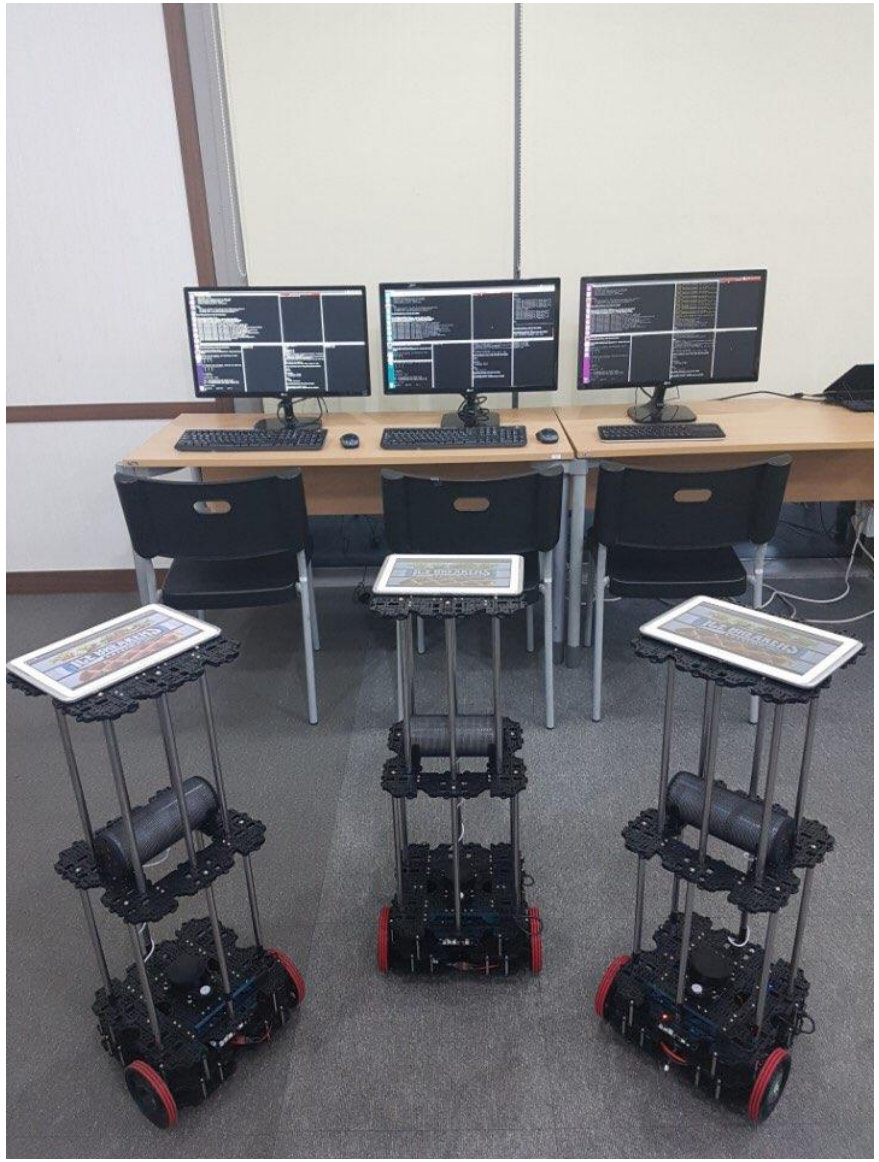
Let's make a service robot!

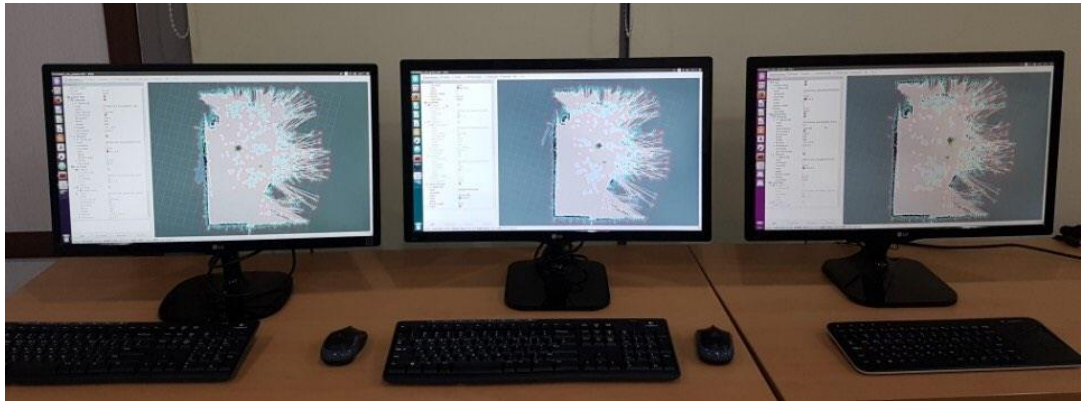
Delivery Service Robot

https://youtu.be/u7qb8xiSiNg

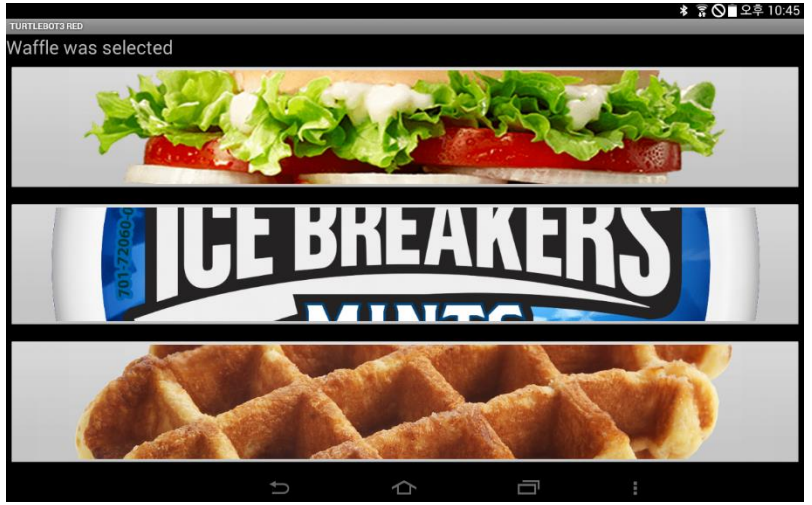
Hardware Configuration: Robot + Monitoring PC + Custom Tablet



Delivery service robot and operating system

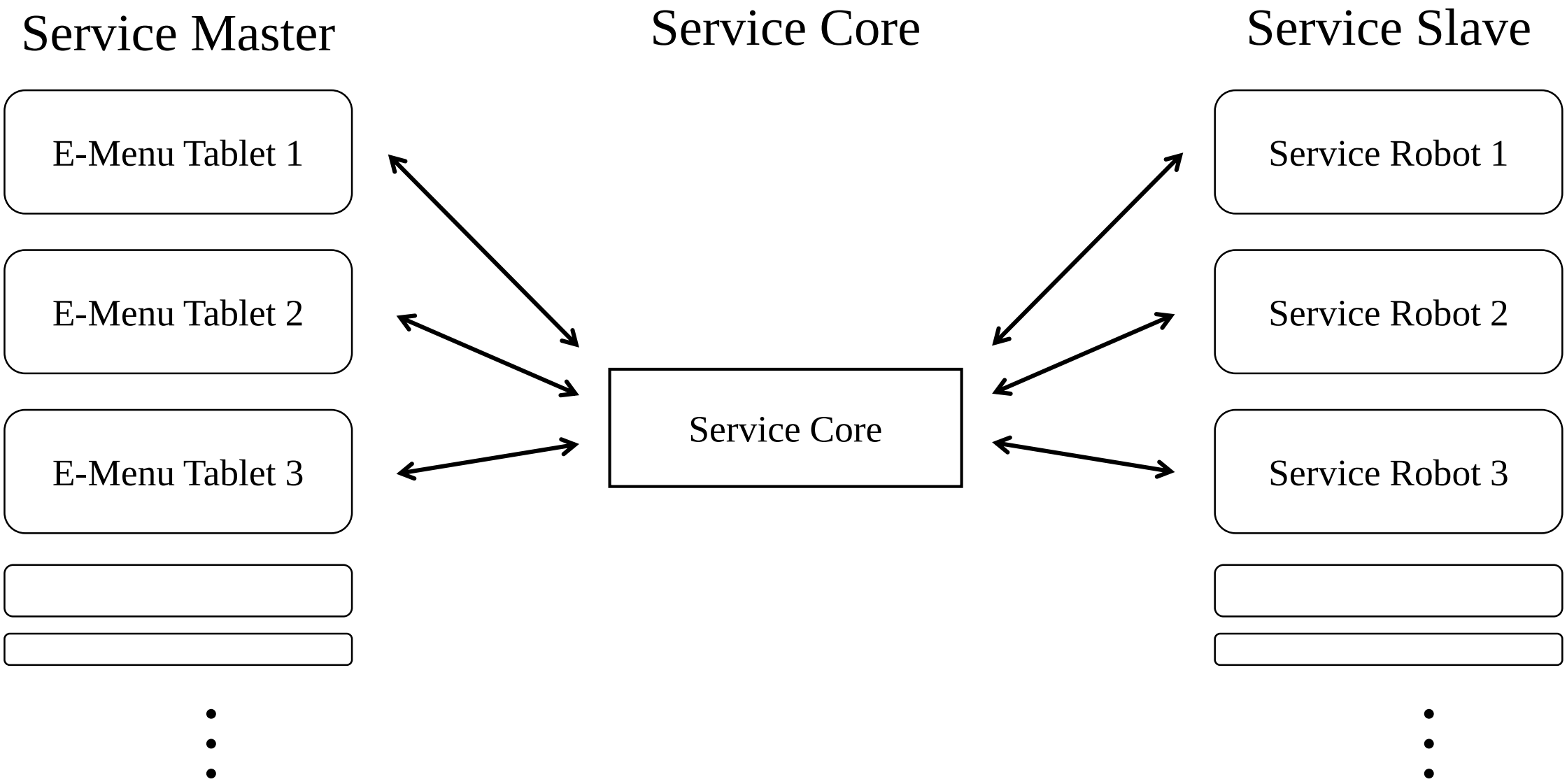


The navigation screen of each robot displayed by RViz executed on each computer

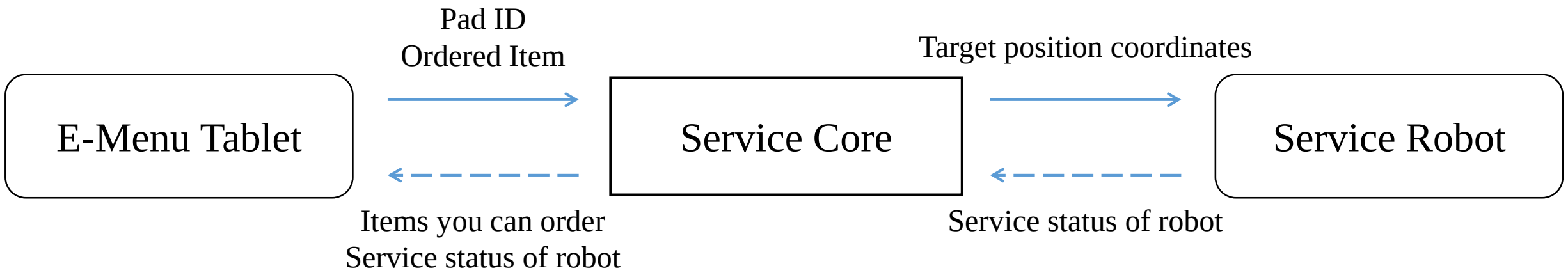


Example of Menu Plays Operated on Pads
(Android-based tablet)

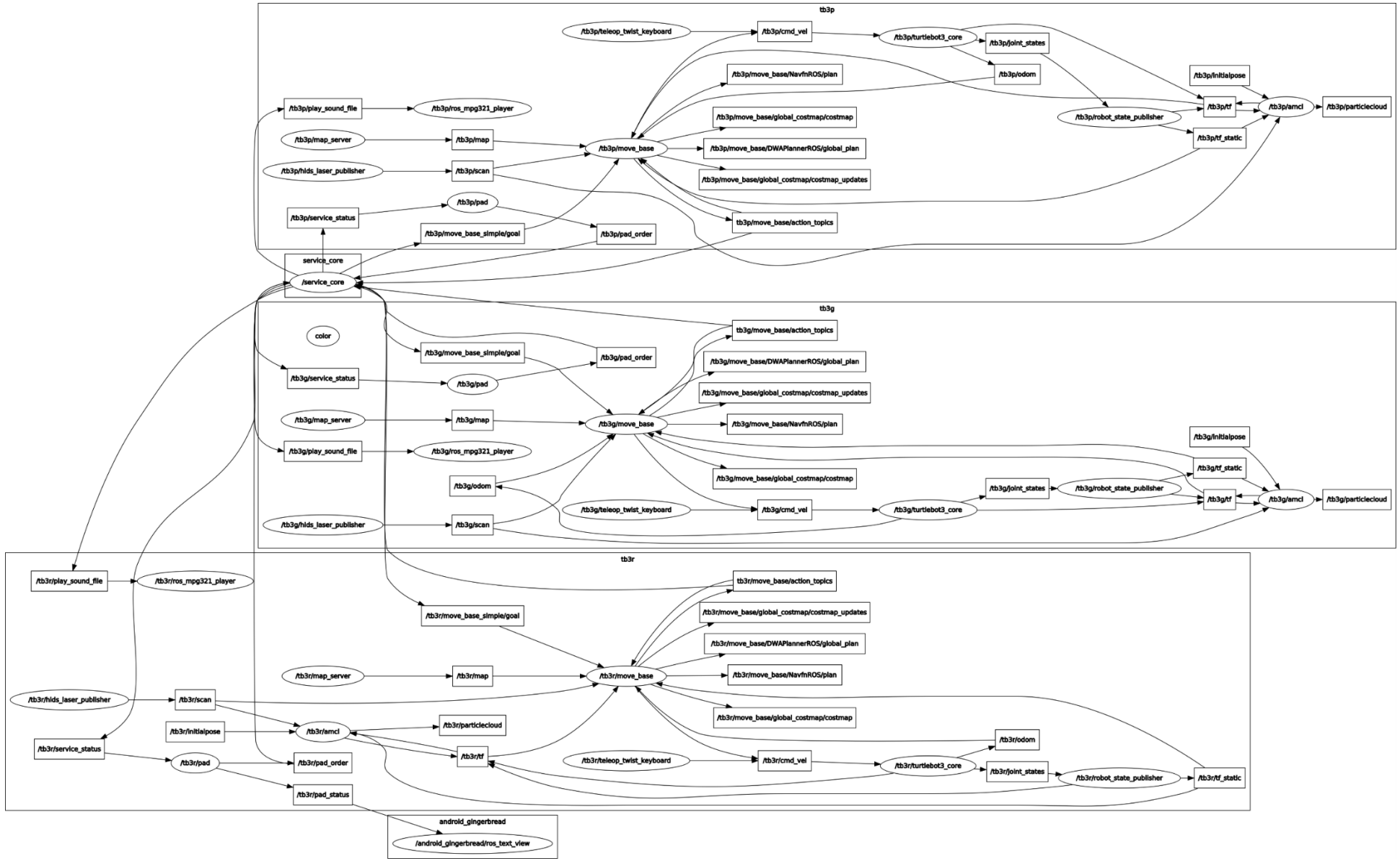
System design example of multi-service robot



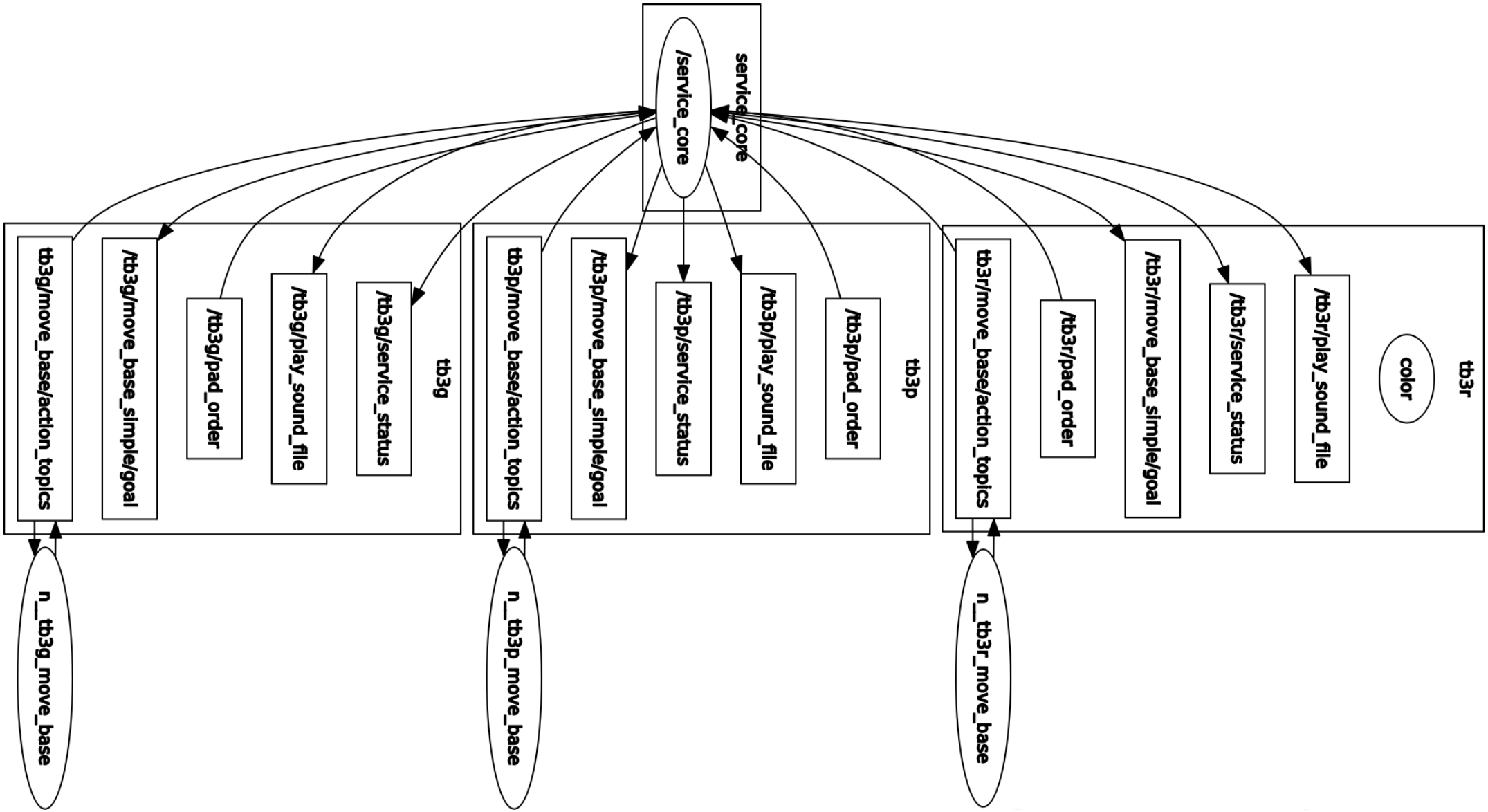
Example of transmitting and receiving messages in the delivery service robot system



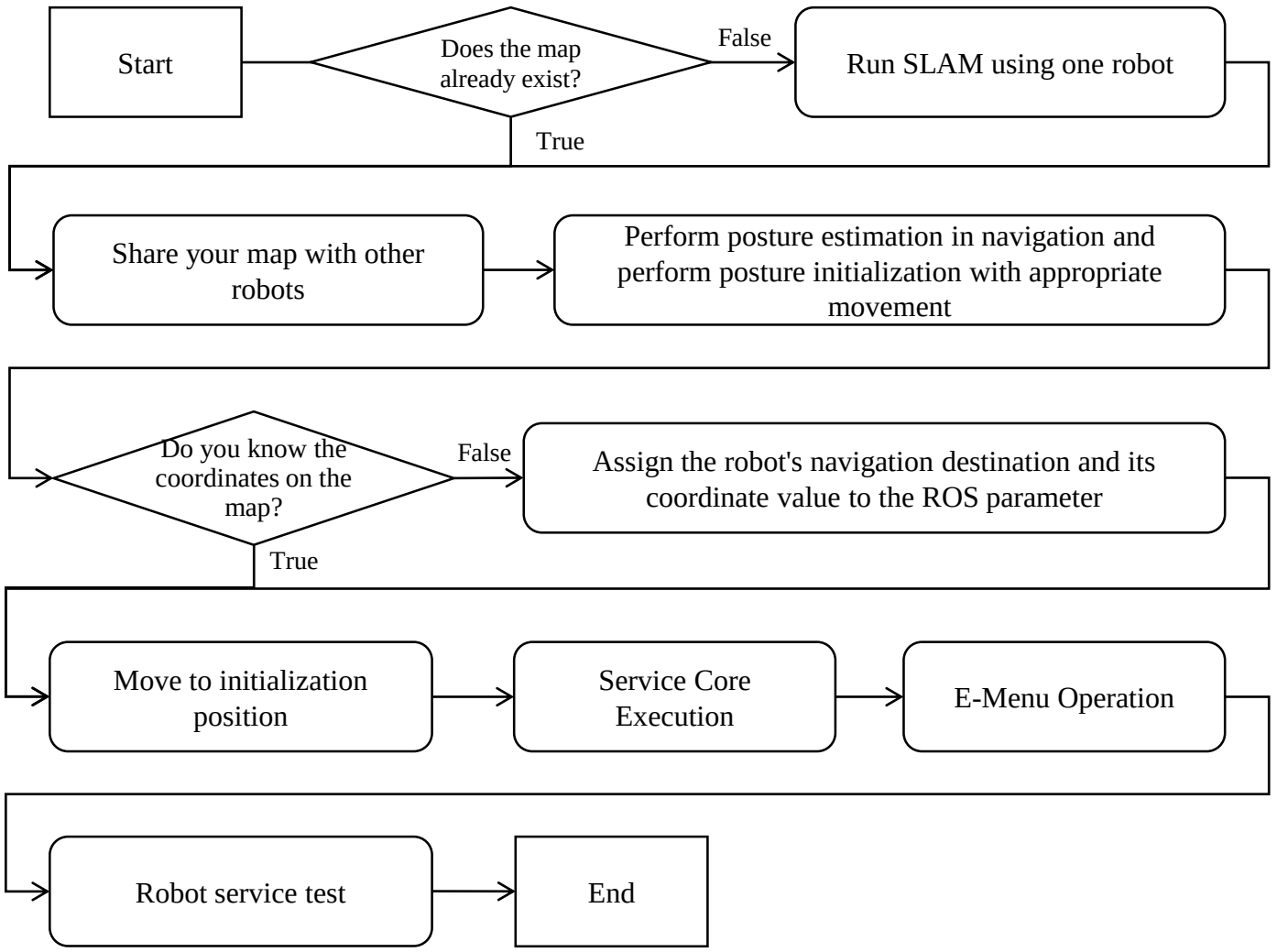
Example of Node Structure of Delivery Service Robot



List of topics that “Service_core” node transmits and receives

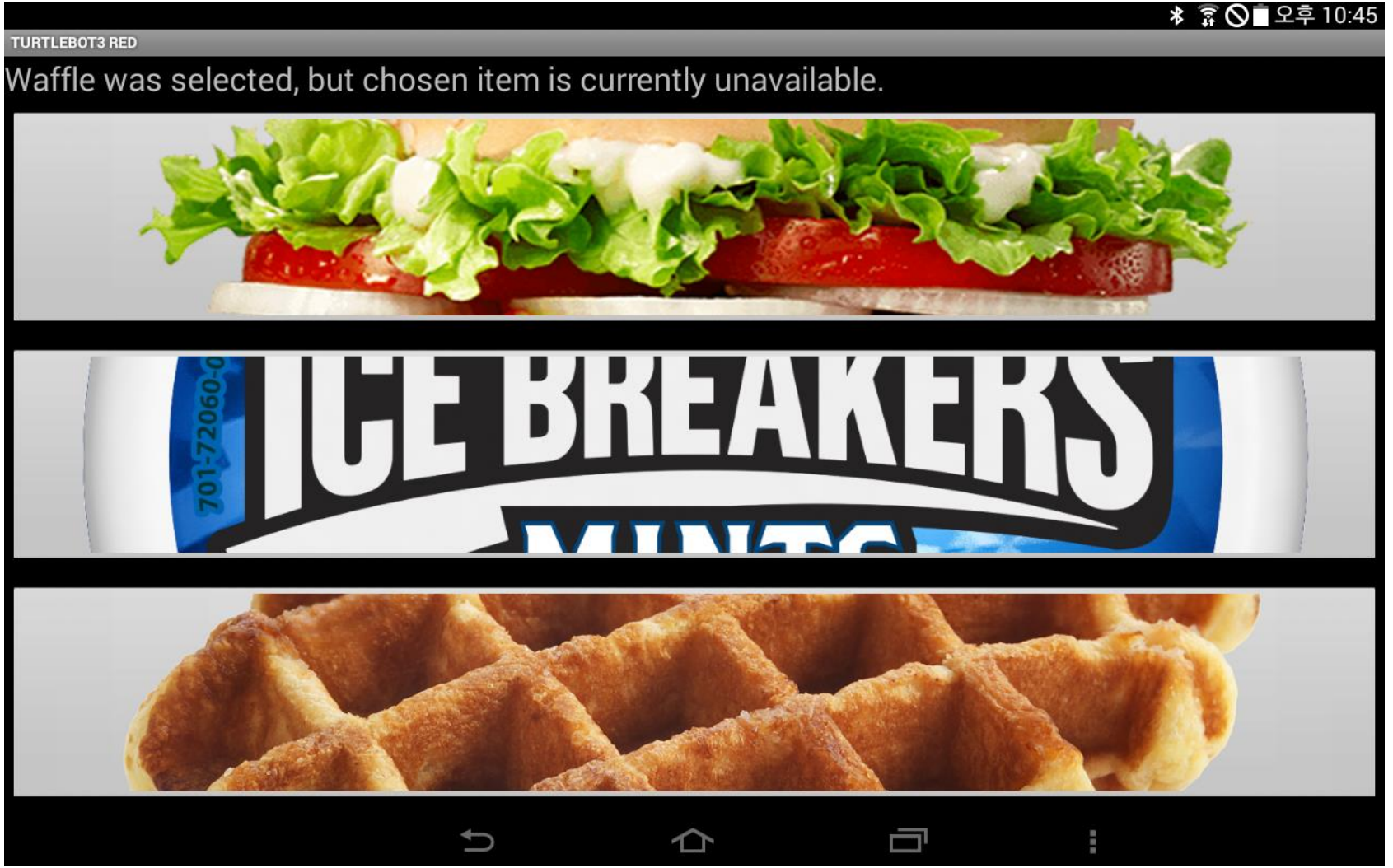


Flow chart of Service



Service selection

- Menu board running on the pad (Android-based tablet + ROSJAVA)



Look forward to seeing your service robot! ☺

Delivery Service Robot

https://youtu.be/5NYdgnzxykc

Question Time!

Advertisement #1

✓ Download link

✓ Language:

English, Chinese, Japanese, Korean

“ROS Robot Programming”

A Handbook is written by TurtleBot3 Developers

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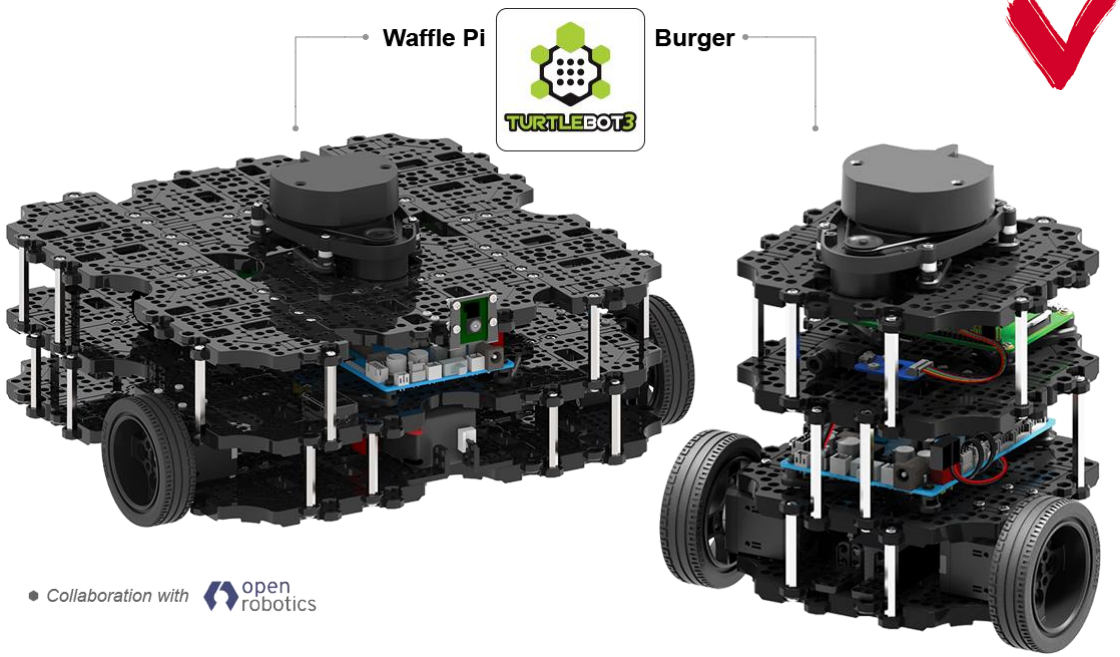
AI Research Starts Here
ROS Official Platform

TurtleBot3 is a new generation mobile robot that’s modular, compact and customizable. Let's explore ROS and create exciting applications for education, research and product development.

✓ Direct Link



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The ‘RobotSource’ community is the space for people making robots.

We hope to be a community where we can share knowledge about robots, share robot development information and experiences, help each other and collaborate together. Through this community, we want to realize open robotics without disti nguishing between students, universities, research institutes and companies.

Join us in the Robot community ~

END.