BuddyBot System by using RSNP

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Introduction

• **What is BuddyBot?**
  - BuddyBot is a EV3 robot system which assist taking cares for and educates children with chronic illness by remote control.

• **Purpose**
  - Help the children to understand their illness, and have a good relationship with their illness.
  - Relieve the stress of the children and caretakers like parents and doctors.

• **Issue of the children with chronic illness**
  - Taking medicine regularly
  - Going to see doctor constantly
  - Understand their illness
Idea of the System

- Work on Missions
- Get Points
- Improve Robot Function
- Amused & Motivated

Having fun & Educated

- Make the children want to know their illness and follow the certain instruction without asking from caretaker.
- Relieve the stress of child and caretaker from a struggle with illness.
1). Caretakers send missions to server with Application
2). Server send the missions to EV3 and tell the missions to children
3). After the children finished the missions, EV3 send the data to server
Feature of the System

• Mission
  - Action, quizzes or games that relate to the illness
  - Voiced data
  - Easy to resister

• Additional Parts/Function
  - Exchange the point from finished mission with additional parts or function for EV3
  - Add originality to their EV3