MISSION STATEMENT
To adapt a ride-on car for a physical therapist so that it can be easily controlled and is adjustable based on how much independence the child wants and their activity goals.

BACKGROUND
• Goals:
  ○ Adjustable, so can be passed between families
  ○ Minimum 10ft range needed for wireless communication
  ○ Able to venture over terrain of sidewalks, playgrounds, yards
  ○ Needs safety features such as stop & steer with remote
  ○ Adaptable switch placement
• We based a lot of our initial research off of the GoBabyGo Program, but we were hoping to further expand on the project by implementing a bluetooth module that could be either controlled by a physical remote or an app on a parent’s mobile device

THE DESIGN
• Modifications:
  ○ Adjustable seating frame out of PVC pipes
  ○ Pool noodle support (cushion & adjust size)
  ○ Keep steering wheel
  ○ Y Adapter cable - push button switches
  ○ Power switch
  ○ Extra switches for fun modifications
  ○ Ex: lights, horn
• Transmission Method: Bluetooth class 2 Kit (2.5 mW) (Range: 35 ft)
• Car: Uenjoy Ride-On Car ($89.99)

NEXT STEPS
• Deliver the rewired car with the modified 5 inch button to the physical therapist.
• Physical therapist are going to incorporate the necessary seating modifications (harness, PVC pipes, etc.)

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