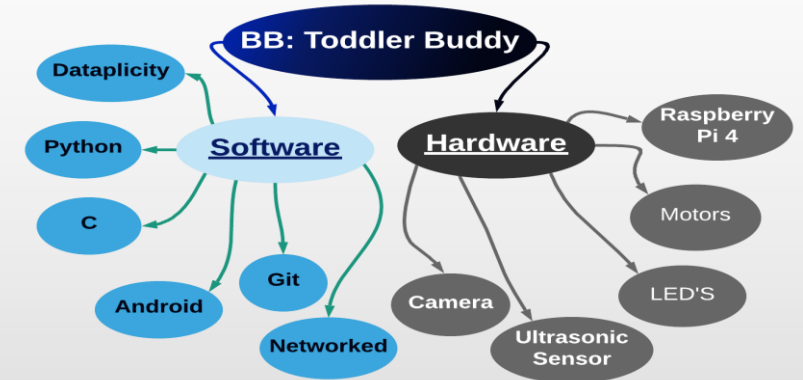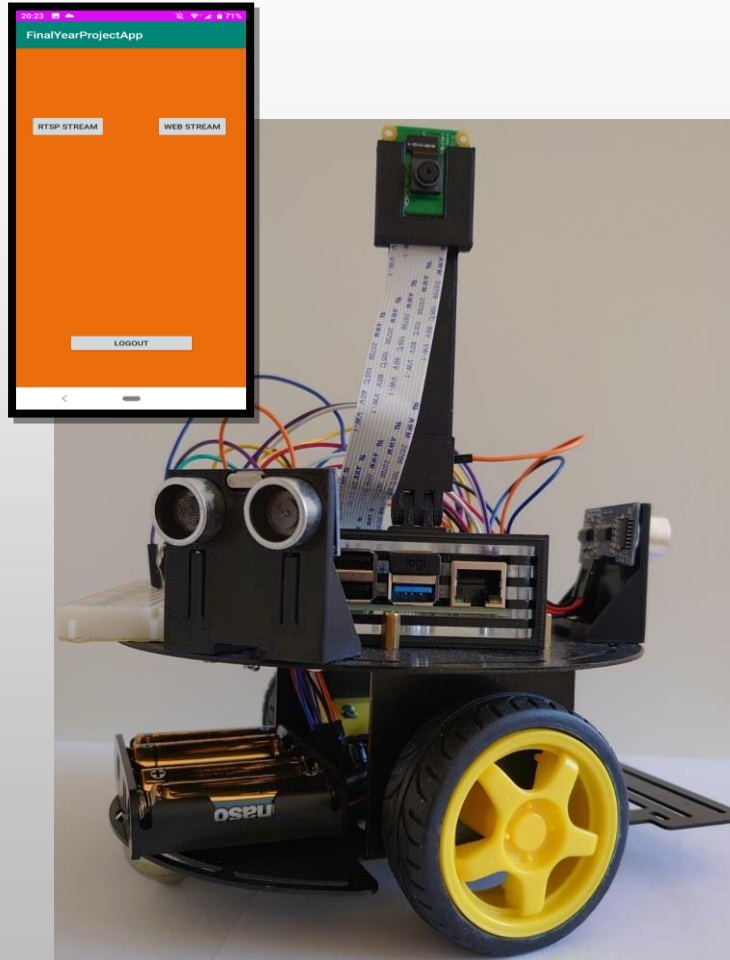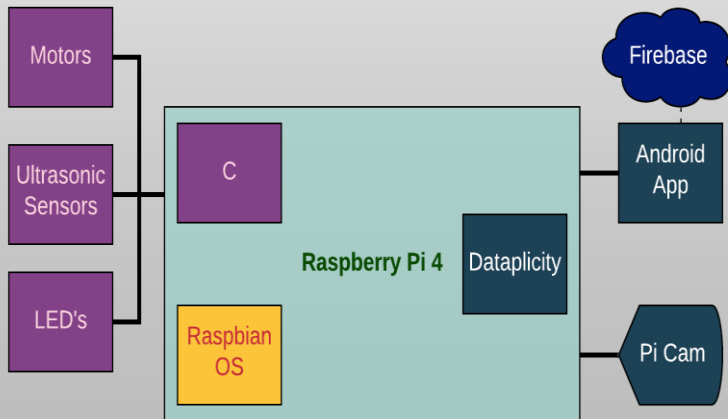# BB : Toddler Buddy

Introduction

BB is a small robot that will help kids at an early stage learn to crawl while giving their parents the freedom to do stuff around the house while keeping an eye on them.

BB will be placed on the floor 4 feet from the toddler. The toddler will start to move towards BB at this point one of the 3 ultrasonic sensors will detect this and activate the motors and move BB away from the toddler

While this is happening there is a Pi cam that is streaming video back to an android app that allows the user to view the feed from anywhere in the world.

Results

I designed, developed and built a working prototype that can avoid Toddlers while streaming a live stream back to an android app that I also developed.

Conclusion

BB is a sleek companion for any toddler. It uses a mix of software and electronic principles.
I incorporated real world technologies that allow users to monitor what a toddler is getting up to while at home and when you are out. The android app offers the user security.
I really enjoyed working on this project and would like to see what other routes this technology could go down.

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