

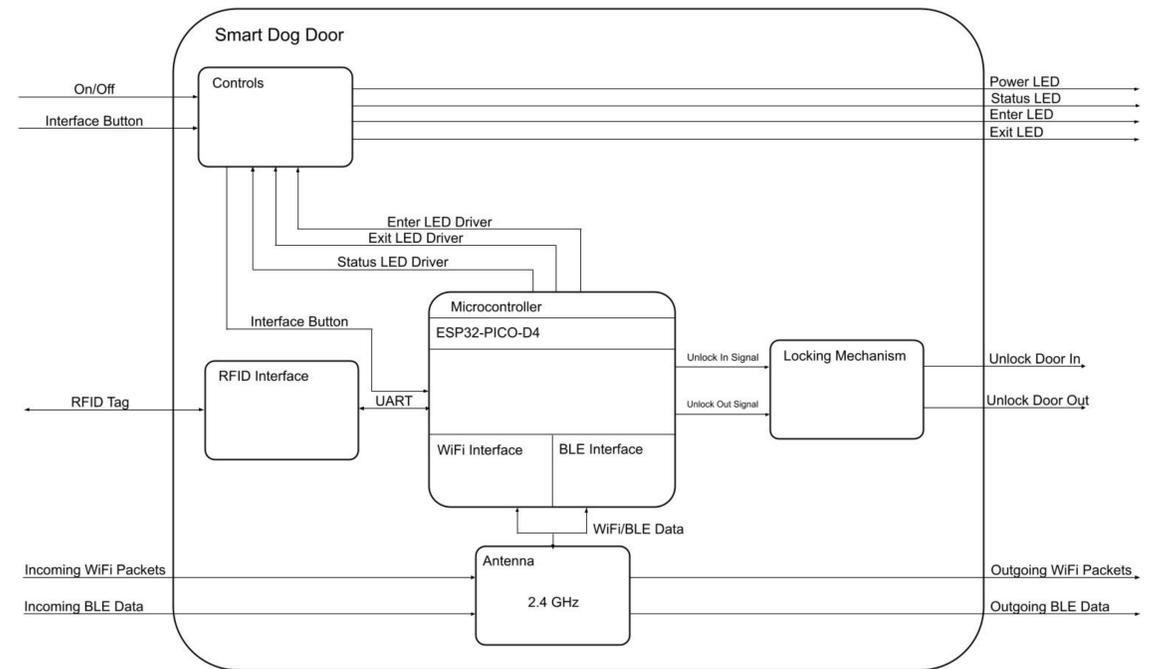
Pawtomatic Pet Door

Project

- Pet doors aren't secure
- Pet doors don't allow the user to restrict access to specific animals
- Pet doors that do lock/close must be locked/closed and reopened manually

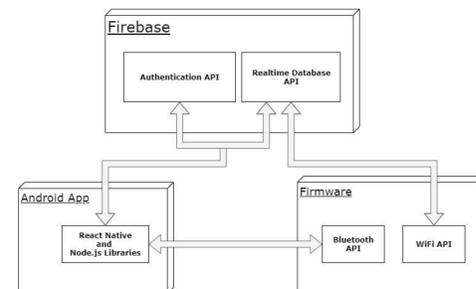


System



Methods

- Firebase backend
- ESP32 controlled door with solenoid latches
- Companion Android app programmed using React Native framework
- RFID collar tags for detecting and identifying pets



Conclusion

- The Pawtomatic Pet Door is more secure than a conventional pet door
- The Pawtomatic Pet Door allows pet specific entry and exit of the home
- Solenoids work well for locking/unlocking the door
- **Future Work:**
 - Add Google Home functionality
 - Add scheduling

