

# Progress Report 6

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## Next Goals and Deliverables

- Finish parallel read/write - Stuart/Walt
- Implement error correction code - Dan
- Begin modifying code to receive packet structure - group
- Start adding error checking in packet data. - group

## Previous Goals and Deliverables

- Clean up code, write documentation (DONE) - Walt
- Make one class to read and write in parallel (In Progress)- Stuart + Walt
- Agree on error correction details (DONE)- Group
- Begin work on error detection implementation + details (In Progress) - Dan
- Begin working on network layer design (Postponed) - Group
- Testing ASCII to bitstream and bitstream to ASCII (DONE) - Group
- Thorough testing of the manchester encoding/decoding (Postponed) - Walt/Stuart

## Discussion

- We were able to get an initial test to work running a general multithread app today. However this could only send one message from either side.
- We created helper functions to try and make our reading run continuously but are running into errors with redefining the callback function.
- We have success transmitting messages at low baud rates, but still have to experiment with our ceiling in terms of how fast we can accurately transmit data.
- As we scale up our project, we are going to have to add more threading functionality like locking and unlocking to make sure data isn't being overwritten by unexpected functionality.