

Journal 8

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1 Progress Log

Upgraded the testing device to a Samsung Galaxy S7. Potentially need to change the minimum API level.

Read through the example implementation on Github because the actual Android documentation pages contain deprecated code.

2 Next Steps

Implement the functionality to connect to a discovered BLE device. Create a client-server relationship where the user's device is a client querying data from the BLE module which acts as a server.

Receive data (in hexadecimal) from the BLE module and convert it to a plaintext CSV file. Display the CSV within the app (possibly update it live as new data is received).

Give user the option to store the CSV on the device or email it to themselves. store and email csv files

Deal with various warnings thrown during compilation, most notably the "Too much work on the main thread" warning. This most likely requires moving the BLEscan method to a new Activity or Service.

3 Reflection

Didn't get a ton of stuff done between this journal and the last because of the decreased amount of time, but I did discover that the Android BLE documentation uses deprecated code. I decided to instead look at the Github repository holding the official example code in order to employ the most optimal code for the current API level (21).