

Reviewer: Chris Patenaude

Group Reviewed: 25

Date: 04/29/2020

Category	Description	Reviewers Comment	Actions Take by Reviewed Group
Build	Could you clone from Git and build using the README file?	I was able to clone the repo and install all the dependencies but I didn't have the necessary hardware to run the project. I have two suggestions: 1) it would be nice to have a shell script to load all the dependencies for you, 2) setting up a Raspberry Pi vm for testing would be convenient.	I created a shell script at the root of the repository "setup.sh" which pulls and builds all required dependencies. I also created a test environment open virtual appliance (VM image) of Raspian with all of the dependencies already built and configured. You can follow the README "unit testing" instructions to pull and run this image.
Legibility	Was the flow sane and were variable names and methods easy to follow? Does the code adhere to general guidelines and code style?	The flow was mostly understandable. One suggestion would be to have formalized function comments for all functions. There were some functions that lacked any function comments.	Added extensive comments to lines of code which provide a high level overview of what is going on within the function/code block.
Implementation	is it shorter/easier/faster/cleaner/safer to write functionally equivalent code? Do you see useful abstractions?	I lack sufficient knowledge about the technology to improve the code base	No revision needed
Maintainability	Are there unit tests? Should there Ability be? Are the tests covering interesting cases? Are they readable?	I only found a test for the GUI and it's more of an interface test rather than a unit test. Many of the functions in this project have basic return values and should be relatively easy to create tests for.	I created unit testing suites for both the comparison and corruption unit using the C++ unit testing framework Catch2. Unit tests can be easily run in the pre-configured Raspberry Pi VM image. Details are in the "Unit Testing" section of the README .
Requirements	Does the code fulfill the requirements?	Yes the code meets the requirements set by the requirements doc.	No revision needed.
Other	Are there other things that stand out that can be improved?	Other than what I already suggested, no. Group 25 did a great job!	No Revision needed.

Revised By: Kamron Ebrahimi