

Inspection Review Checklist

Completed by Ashton, for Jesse

Sample code from file: ApplicationController.java

General

1. ☒ Does the code work? performs as expected
2. ☒ Is it easy to understand? descriptive names with step by step logic
3. ☒ Does it follow conventions? comments present, neatly organized and descriptive names
4. ☒ Is there duplicate code? no duplicate code
5. ☒ Can global variables be replaced? no global variables
6. ☒ Is there commented out code? no commented code
7. ☒ Do loops have a set length or defined exit conditions? n/a (no loops)
8. ☒ Do the names explain their purpose? names explain function

Performance

1. ☒ Can it be refactored to be more efficient? Can remove constructor on line 24 although section on line 138 can be brought out of the if statement to improve readability.
2. ☒ Can it be replaced by a library? Functions are used for unique operation of controlling the app
3. ☒ Can logging/debugging stuff be removed?
4. ☒ Does it suspend resource intensive processes if the application is minimized/loses focus? Android device performs as normal if app is minimized

Security

1. ☒ Data inputs checked and encoded? Inputs are not checked nor are they encoded. Outputs of other functions are being checked however.
2. ☒ Are returning errors being caught? Errors are being caught by the function that is using the method as the error checks happen after it has been returned rather than prior.
3. ☒ Are output values checked and encoded? output values are typically checked although not encoded.
4. ☒ Are invalid parameter values handled? parameters assumed to be correct.
5. ☒ Are Android Permission properly checked if required? n/a in this class

Documentation

1. ☒ Do comments exist to explain the intent without being too obvious?
2. ☒ Are all functions commented?
3. ☒ Are edge cases checked? parameters assumed to be correct.
4. ☒ Is the use of third-party libraries documented? all libraries are from standard java library
5. ☒ Are units of measure explained? n/a
6. ☒ Is the code missing features marked with TODO?

Testing

1. ☒ Is the code testable? Manual testing is required for functional testing as it cannot be done by unit testing (requires interactions from other modules)
2. ☒ Do comprehensive tests exist? Jesse manually tried different tests including entering information correctly or exiting, minimizing or others
3. ☒ Do the tests properly test the code? The tests do test the code but further testing is always welcome
4. ☒ Could test code be replaced with an existing API? no test code is present in this class