

# Inspection Review Checklist

Completed by Suyi, for Liam

Sample code from file: MainActivity.java

## General

1. ☒ Does the code work? Yes, it works
2. ☒ Is it easy to understand? Yes
3. ☒ Does it follow conventions? Yes, it follows conventions, use camel case when defining classes, methods, or variables
4. ☐ Is there duplicate code? No duplicate code
5. ☐ Can global variables be replaced? they can't
6. ☐ Is there commented out code? No
7. ☐ Do loops have a set length or defined exit conditions? No loop
8. ☒ Do the names explain their purpose? Yes, it clearly explains purpose.

## Performance

1. ☐ Can it be refactored to be more efficient? No
2. ☐ Can it be replaced by a library? It can't
3. ☐ Can logging/debugging stuff be removed? no
4. ☒ Does it suspend resource intensive processes if the application is minimized/loses focus? Yes

## Security

1. ☐ Data inputs checked and encoded? They are not.
2. ☒ Are returning errors being caught? The function checks the errors, it will display the dialog when the errors being caught.
3. ☐ Are output values checked and encoded?
4. ☒ Are invalid parameter values handled?
5. ☒ Are Android Permission properly checked if required?

## Documentation

1. ☒ Do comments exist to explain the intent without being too obvious?
2. ☒ Are all functions commented?
3. ☐ Are edge cases checked?
4. ☐ Is the use of third-party libraries documented? No
5. ☐ Are units of measure explained?
6. ☐ Is the code missing features marked with TODO? No

## Testing

1. ☒ Is the code testable? Yes, it did the system tests
2. ☒ Do comprehensive tests exist?
3. ☒ Do the tests properly test the code?

4. ☐ Could test code be replaced with an existing API? There is no test code.