Inspection Review Checklist

Completed by Liam, for Elliot

Sample code from file: Database folder / DatabaseTest.java

General

1. ☒ Does the code work?
2. ☒ Is it easy to understand?
3. ☒ Does it follow conventions?
4. ☐ Is there duplicate code?
5. ☐ Can global variables be replaced?
6. ☒ Is there commented out code?
7. ☐ Do loops have a set length or defined exit conditions?
8. ☒ Do the names explain their purpose?

Performance

1. ☐ Can it be refactored to be more efficient?
2. ☐ Can it be replaced by a library?
3. ☐ Can logging/debugging stuff be removed?
4. ☐ Does it suspend resource intensive processes if the application is minimized/loses focus?

Security

1. ☐ Data inputs checked and encoded?
2. ☐ Are returning 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?
5. ☐ Are units of measure explained?
6. ☒ Is the code missing features marked with TODO?

Testing

1. ☒ Is the code testable?
2. ☒ Do comprehensive tests exist?
3. ☒ Do the tests properly test the code?
4. ☐ Could test code be replaced with an existing API?