

Debugging-07

In this assignment you will experiment with the various debugging tools Android Studio provides. We will continue to work within our GeoQuiz app.

1. Ensure you commit and push, then submit your commit ID for Lab 6 before moving on.
2. Create a GitHub repository for this lab. Open your GeoQuiz app, remove the previous lab remote and add your remote for this lab, then do a push.
3. Open QuizActivity.java and comment out the code in onCreate(Bundle) where you find the question TextView and load it into your variable.
4. Run your app and let it crash, when it crashes, open LogCat and review the error message (ensure you find the error message that pertains to the crash, you can try filtering to hide unrelated messages).
5. Uncomment the code where you find the question TextView to fix the bug.
6. Run your app and ensure it works as it should.
7. Comment out the code in your next button listener where you increase the current question index. If you run your app now, you will notice the question never changes when next is pressed.
8. Write a log message after the commented code in your next button listener to output a stack trace by using the Log.d(String, String, Throwable) version of the Log.d method.
9. Run your app and review the message your Log.d call writes when you click the next button.
10. Comment out your log message (do not delete it)
11. Set a breakpoint in your updateQuestion method.
12. Run your app and press the next button.
13. Observe the app stop at your breakpoint, explore the debugger windows and tools.
14. Create an exception breakpoint.
15. Comment out the same line from number 3 above and run your app.
16. Observe the app stop at the exception.
17. Inspect your code using the Code Inspector.