

# How to Use Git and GitHub


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OVERVIEW

 Problem Set 1 > Identifying a Second Bug Solution

## Identifying the bug

One reasonable guess is that the commit with message "speeding clones up", that is, commit `003c8c197cd3b1e5b28b58f53ee14d7ebaa9bb3a`, is likely to be the one causing the bug. The bug is related to clones, and this commit changed the behavior of clones, so it seems plausible that this commit caused the bug.

Of course, the most likely-looking commit won't always be the culprit, so you'll always have to take a closer look at the suspicious commit to see if it actually caused the bug. In this case, the commit "speeding up clones" did in fact cause the bug.

Using this strategy of examining the most likely looking commits doesn't always work, but it often does, and it can save a lot of debugging time. This is one of the reasons it's so useful to make one commit per logical change and give each commit a good message - to make it possible to take shortcuts like this!

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## Instructor Notes

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## Downloadables

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