

CS1313 Spring 2019
BONUS EXTRA CREDIT ASSIGNMENT
Lightbot Hour of Code
Due Friday May 3 2018 10:20am Central Time

We'll give you a **BONUS** of one percentage point of **EXTRA CREDIT** towards your overall grade for the semester (enough to push you to a higher letter grade if you're on the border between two letter grades), if you complete all levels of the **FREE** app known as Lightbot Hour of Code.

RULES:

1. Install the **FREE** Lightbot Hour of Code app on your preferred handheld device, or run the **FREE** Adobe Flash app in your preferred web browser (URL below) on your preferred laptop PC. (See below for browsers that have been tested.)
2. Complete **ALL** of the levels.
3. Bring that device to your **LAB** session, or to a **LECTURE**, or to a **HELP SESSION**.
4. In front of the instructor or TA leading that session, redo the final level (even though you've already completed it). When you choose the level, you can use the little floppy disk icon to load your previous successful solution, or you can recreate the solution from the beginning.
5. Your TA or instructor will then require you to redo in front of them one or more other levels that they choose at **THEIR SOLE DISCRETION**.
6. When your TA or instructor is satisfied, they will record that you completed this bonus assignment.

DETAILS:

Lightbot Hour of Code is a **FREE** game app that you can install on an iOS (5.1.1 or later) or Android (2.3 or later) device, or that you can play on any Windows, MacOS or Linux PC to run in your preferred web browser (where it runs as a Flash app).

You can download the **FREE** Lightbot app to your preferred iOS or Android handheld device and run it there.

Or, here's a link to the **FREE** browser-based Flash implementation:

<http://www.abcya.com/lightbot.htm>

On Windows 10, we have successfully tested the browser-based Flash implementation of Lightbot on the following browsers: Google Chrome, Microsoft Edge, Opera, Brave (which requires taking "shields down," but then you can put shields back up and Lightbot will still run). In some cases, you may need to go to the page, give it permission to run Flash, then reload the page and try again.

(We tried Firefox but couldn't get Lightbot to work on it.)

On other operating systems (MacOS, Linux, Android, iOS), we haven't tested the browser-based Flash version of Lightbot.

NOTES:

- If you want to do this at all, we strongly urge you to do this **AS SOON AS POSSIBLE**. This option will only be available while the handheld app and/or Flash app remain available. The Lightbot team may choose to withdraw availability at any time, and if you can't get at it after that, you'll be out of luck.
- If you don't have an appropriate device on which to install this software, you can do it during a lab session or a help session using one of the Carson 205/206/S-18 lab PCs.