

# CSE 30 README Guidelines

For each assignment, you will turn in a README file along with your source code. The file **must** be named README (use all caps and no file extension). Use vim to edit this file!

## Your README file for all assignments should contain:

- High level program description:
  - This should describe the overall behavior of your program and how the user can interact with it. Make sure this is a high level description. If you start mentioning file names, function names, or implementation details, you are being too detailed. In other words, focus on describing the program that you have created (the actual executable that you run), and not the code itself.
- How to compile the program:
  - Be more specific than just typing “make” -- What directory should you be in?, Where should the source files be?, etc.
- How to run the program:
  - Give an example and make sure to explain all the command line arguments (if there are any).
- Example of normal output:
  - Specify where normal output goes (stdout or a file or ???).
  - Provide example of normal output.
- Example of abnormal output:
  - Specify where abnormal output goes (stderr usually).
  - Provide example of abnormal output.
- How you tested your program:
  - Explain how you tested your program (for both normal and error states) and show that your tests covered all parts of your code (test coverage).
  - You must provide specific examples of the types of test cases you tried.
  - Only stating that you diff'ed your output with the solution output and/or that you unit tested the milestone functions is not sufficient--see the previous two bullet points.
- Anything else:
  - Write anything else that you would want/need to communicate with someone who has not read the assignment writeup but may want to compile and run your program.
- Answers to PA specific questions
  - See the PA writeup for these.

## Note:

- Must be named README (not README.txt, not README.doc)
- Must have a file header
- Must follow the 80-character-per-line rule (see [style guidelines](#))

Here are two sample READMEs for PA0 that you can take a look at:

- [Sample 1](http://cseweb.ucsd.edu/~ricko/CSE30/README_Sample_A.txt): [http://cseweb.ucsd.edu/~ricko/CSE30/README\\_Sample\\_A.txt](http://cseweb.ucsd.edu/~ricko/CSE30/README_Sample_A.txt)
- [Sample 2](http://cseweb.ucsd.edu/~ricko/CSE30/README_Sample_B.txt): [http://cseweb.ucsd.edu/~ricko/CSE30/README\\_Sample\\_B.txt](http://cseweb.ucsd.edu/~ricko/CSE30/README_Sample_B.txt)

Feel free to use these as a template for your README for this and future assignments. As you can see, READMEs don't all have to look the same, but make sure you have everything listed in the guidelines linked above.