

CSCI 274 Spring 2020 - Final Project

Summary:

The final project is split into two parts: the “Operating System Exploration” and a Canvas quiz. This is worth 40% of your overall grade. If you are able to complete both parts of the project before April 27th, I will have your grade by morning April 29th so you can choose the option pass/no-pass knowing the final grade for this course. **There will be no late submissions allowed.**

Part I: Operating System Exploration

20% of the overall grade

“A lot of Linux users love the OS because of the level of customization it allows. Once everything is set up just right, workflows can be quicker, and computing can be more personal and enjoyable. But sometimes it’s good to step out of your comfort zone.

Trying a new distribution might be trivial to some, but to others, it might be like trying sushi when your favorite food is pizza. It can feel strange. You might not like it, but who knows? Maybe you’ll fall in love all over again. If you’ve never tried running a Linux operating system, this is a great time to dip your toes in the water.”¹

13 Most Promising New Linux Distributions to Look Forward in 2019:

<https://www.tecmint.com/new-linux-distributions-2019/>

Requirements:

1. Create a README file within your Linux Distro. In this file, please write the following:
 - a. Linux Distro Name
 - b. Method of installation (Virtual Box, Windows 10 Subsystem, Partition, etc.)
 - c. Type of Linux shell
 - d. Choose 1: interactive terminal or graphical user interface
 - e. Is vim and/or emacs already installed? Include version number
 - f. Is there a .bashrc provided? Include the contents
 - g. Include the amount of disk space available on the file system
 - h. How many directories are in the /etc directory?

¹ <https://www.pcworld.com/article/3150765/4-easy-linux-projects-for-newbies-and-intermediate-users.html>

2. Include 3 screenshots of the Linux distribution of choice (suggestions: terminal window investigating "README" questions, vim/emacs editor, GUI Desktop, etc.)

Please submit both parts in one zip file. A deduction will be give for the wrong submission type and the wrong README file name.

Grade Breakdown:

- 15% : README
- 5% : 3 screenshots

Part 2: Canvas Quiz

20% of the overall grade

For this portion of the final, there will be a 30 questions (mutlitple choice, true/false, or matching) to complete in 1 hour. This quiz will question material taught throughout the semester. These questions could be from the weekly quizzes, midterm exam, and additoinal material covered in the last few weeks of class. You are able to your CHEATCHEET.LNX, terminal window, lecture notes/materials, and other outside resources. You will only have **one attempt** for the quiz. The quiz will be auto-graded by Canvas, so you will recieve your grade once your completed it. The answers will be hidden until everyone has completed it.