

COMP 311: Project #1

Due on October 25, 2020 at 11:59 PM (Before Midnight)

Project Goal

Demonstrate your ability to manipulate files in a Linux filesystem and to use the `vi` editor to modify the contents of text files. Demonstrate your understanding of several key Linux commands.

Required Tasks

Figure 1 shows the directory and file hierarchy structure that you will need to create within your **home directory**. Read the figure carefully and follow the instructions below to complete your project successfully.

- A. On your virtual machine, create the directory and file structure depicted in Figure 1. Note that `man-link` is a *symbolic link* to `man` file and `networking_com-link` is a *symbolic link* to `networking_com` directory.
- B. Set the proper file mode for files: `mkdir` and `cp` as noted in the Figure 1.
- C. For each file where its name corresponds to a Linux command, use the `vi` editor to write the following:
 - (a) **First Line:** your full name and university id.
 - (b) **Second Line:** the syntax of the command (taken from its `man` page description).
 - (c) **Third and Fourth Lines:** 2 different examples of the command's proper usage.

Submission

To successfully submit your solution to this project and be considered for grading, you **MUST** upload **two artifacts** as a reply to the designated Ritaj message before the deadline:

1. A script log named `project1_[university_id].log` containing the steps you followed do the required tasks. Similar to what you do in regular lab tasks.
2. A compressed file named `project1_[university_id].tar` that contains the directory and file structure you have created. To create a compressed file:

Go to the **home directory** and type the command:

```
tar -cvf project1_[university_id].tar project1_[university_id]
```

Important Notes

1. You should do all the work above completely on your own. Working with anybody else on any part of this project will result in a zero grade.
2. No projects will be accepted after the specified deadline for any reason.

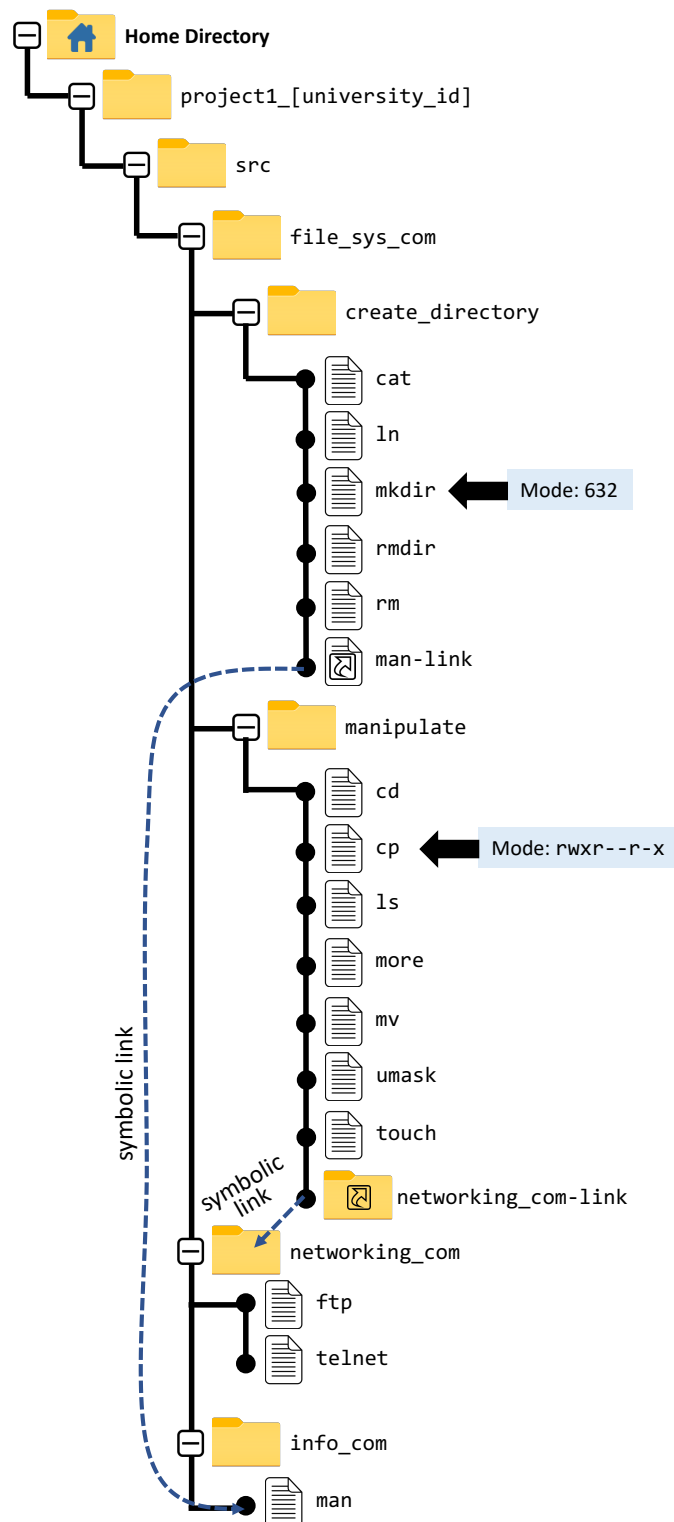


Figure 1: Project #1 Directory and File Structure