Objectives:

As a Unix/Linux administrator, you will be expected to be well-equipped to handle the command line. Tasks such as scripting and administration will come later, but this project will get you prepared for the non-GUI ecosystem. You will be able to and must demonstrate the following skills in this project:

- Path navigation
- Directory manipulation
- File permissions
- Command syntax
- Piping, redirection, and multiple commands on one line
- Wildcards
- File creation, move, & copy
- Meta-characters
- Password changing

Project background: You are a junior administrator for a small regional hospital system. You have been hired to administer the Linux virtual servers and provide services for the various hospital departments.

Project Two – Command Line

Understanding the syntax and usage of Unix/Linux commands

Task One

You have been tasked with writing a file that facilitates the easy administration of department intranets. The department heads will be using temporary user accounts to test their web application functionality before going live. The department heads have asked your boss to provide a way for them to simply run a command that does the following for them:

1. Creates a web directory structure called 'sandbox' that contains the following directory structure (root is the root directory of sandbox):
   a. Root -> css
   b. Root -> images
   c. Root -> scripts
2. A file named 'index.html' must also the created in the root directory.
3. A copy of logo1.png and logo2.png must be copied from var/www/images to the images directory in sandbox.
4. All files & directories must be set to read-only for everyone except root user, which should be set to full control.
5. Create a file called 'web-listing' in sandbox root that contains the re-directed output of the directory listing of sandbox root and subfolders.
6. Create a file called 'avail-images' in sandbox root that contains the re-directed output of the directory listing of the /var/www/images directory and only shows files that have the extension of .png.

Task Two

Create a project plan that includes a Gantt chart for the web project in task one.

Task Three

Create a YouTube video using a screen capture program that demonstrates your mastery of task one. Also demonstrate Meta characters, password changing, and command piping.

Links:

Helpers: **1**