

## Objectives:

As a Unix/Linux administrator, you will be expected to understand the shell environment and how to make customizations for users. For this project you must show mastery of:

- .bash\_profile
- .bashrc
- .bash\_logout
- setterm
- path
- prompt
- aliasing
- noclobber
- set command & export
- sed
- job control
- User info commands

**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 Four –The Shell, sed, & Job Control

Mastering shell customization (bash), job control, & sed

## Task One

You have been asked to write a file that supports new junior department web admins. You are to write a script that creates a .bash\_profile for the new users that does the following:

- sets terminal bold to ON
- sets the prompt to the name of the cwd followed by \$
- makes the prompt text green
- Appends the current working directory to the PATH
- ensures that all programs and scripts can use the PATH
- sets dir as an alias for ls -l
- sets cls as an alias for clear
- shows who is currently using the server
- configures rm to prompt for confirmation before deleting a file.
- prevents bash from overwriting an existing file when redirecting output

## Task Two

In order to test some web automation scripts, you are tasked to write a file that does the following:

- Start /home/links.
- Suspend it.
- Enter the command: (sleep 60 ; sleep 60 ; ls -alR / > flist &)
- Foreground /home/links
- Suspend /home/links
- Kill links
- Check to see if the sleep command line has finished

## Task Three

Create a copy of /home/phonelist.csv in your home directory. You have been tasked with making a file that will auto-correct input errors in employee data files. Write a file that uses sed to:

- Change the phone number format to (xxx) xxx-xxxx
- Replace any email domain name with starhealth.org