Project: Write own Linux Shell
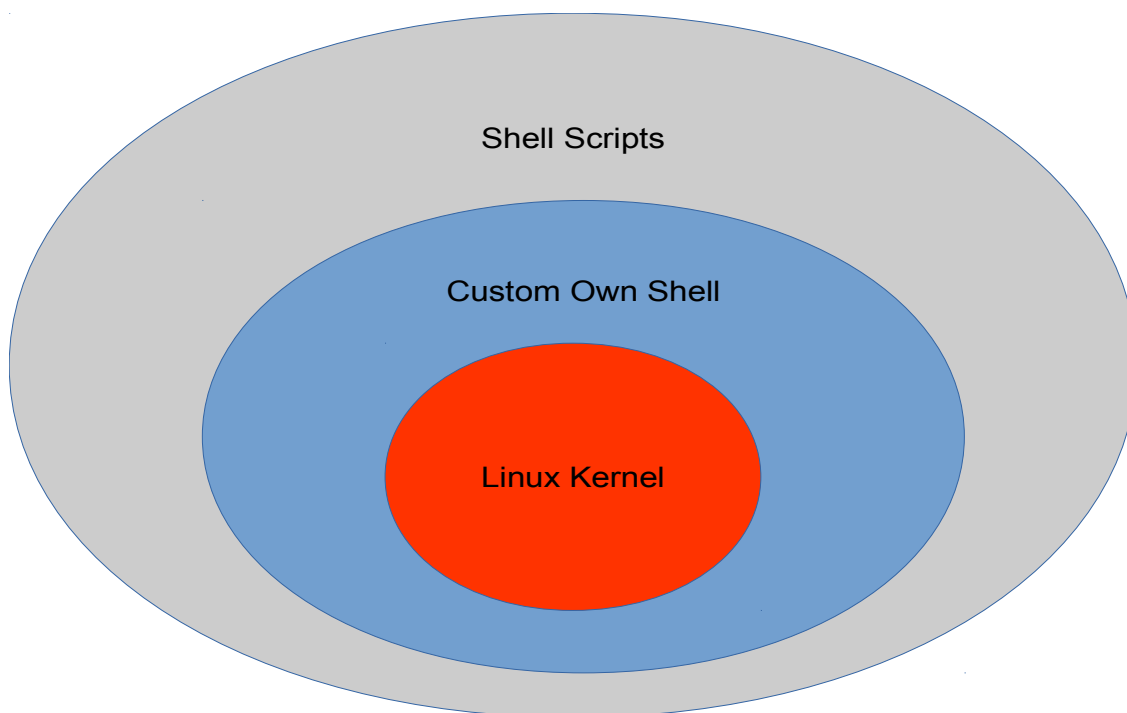
Description: Under this project, Students have to develop a custom Linux Shell. Own Linux shell is yet another linux shell like csh, ksh, bash.

This custom linux shell should support following functionatilities:
1. Navigation commands (pwd, cd, ls)
2. Looking around commands (ls, less, file)
3. Manipulating files commands (cp, mv, rm, mkdir)
4. Working with commands (type, which, help, man)
5. I/O Redirection (standard input & output, pipelines)
6. Permissions (chmod, chown, chgrp)
7. Job Control (ps, kill, jobs, bg, fg)

Moreover, it should be packaged as Linux installable so linux user can install in their workstation and switch to custom linux shell.

Besides, custom shell will also support version function which will display author, version, and release date.

Deliverables:
List of artifacts that should be produced for this project:
1. Project Report including Sequence Diagrams
2. List all modules of customer shell and related functions
3. C language source code