#!/bin/bash

# Define variables

DATA\_FILE="interns\_data.txt"

VERSION="v0.1.0"

# Function to display help

display\_help() {

echo "Usage: internsctl [options]"

echo "Options:"

echo " -l, --list List all interns"

echo " -a, --add Add one or more interns"

echo " -r, --remove Remove an intern"

echo " -c, --cpu CPU information"

echo " -m, --memory Memory information"

echo " -u, --user-create Create a new user"

echo " -ul, --user-list List all regular users"

echo " -su, --sudo-list List users with sudo permissions"

echo " -f, --file-getinfo Get information about a file"

echo " --size, -s Print file size"

echo " --permissions, -p Print file permissions"

echo " --owner, -o Print file owner"

echo " --last-modified, -m Print last modified time"

echo " -v, --version Display version information"

echo " -h, --help Display this help message"

}

# Function to display version

display\_version() {

echo "internsctl version $VERSION"

}

# Function to list interns

list\_interns() {

echo "List of interns:"

cat "$DATA\_FILE"

}

# Function to add interns

add\_interns() {

echo "Enter the names of the interns (separated by spaces):"

read -a intern\_names

for intern\_name in "${intern\_names[@]}"; do

echo "$intern\_name" >> "$DATA\_FILE"

done

echo "Interns added successfully."

}

# Function to remove an intern

remove\_intern() {

echo "Enter the name of the intern to remove:"

read intern\_name

grep -v "^$intern\_name$" "$DATA\_FILE" > "$DATA\_FILE.tmp"

mv "$DATA\_FILE.tmp" "$DATA\_FILE"

echo "Intern removed successfully."

}

# Function to get CPU information

get\_cpu\_info() {

echo "CPU Information:"

grep -E "model name|processor|cpu cores" /proc/cpuinfo | awk -F: '{print $2}' | tr -d '[:space:]'

}

# Rest of the script...

# Main script

case "$1" in

# ... (other cases)

-c|--cpu)

get\_cpu\_info

;;

# ... (other cases)

esac

# Function to get memory information

get\_memory\_info() {

free

}

# Function to create a new user

create\_user() {

if [ -z "$2" ]; then

echo "Error: Please provide a username."

exit 1

fi

sudo useradd -m -s /bin/bash "$2"

echo "User '$2' created successfully."

}

# Function to list all regular users

list\_users() {

getent passwd | grep -vE '(/sbin/nologin|/bin/false)$' | cut -d: -f1

}

# Function to list all regular users

list\_users() {

getent passwd | grep -vE '(/sbin/nologin|/bin/false)$' | cut -d: -f1

}

# Function to list users with sudo privileges

list\_sudo\_users() {

echo "Users with sudo privileges:"

cut -d: -f1 /etc/passwd | sudo xargs -I {} bash -c "id {} | grep -q '(sudo)' && echo {}"

}

# Rest of the script...

# Main script

case "$1" in

# ... (other cases)

--sudo-only)

list\_sudo\_users

;;

# ... (other cases)

esac

# Function to get information about a file

get\_file\_info() {

if [ -z "$2" ]; then

echo "Error: Please provide a file name."

exit 1

fi

file\_name="$2"

# Debugging statement

echo "Checking file: $file\_name"

while [[ $# -gt 0 ]]; do

case "$1" in

--size|-s)

echo "File Size: $(du -h "$file\_name" | cut -f1)"

;;

--permissions|-p)

echo "File Permissions: $(ls -l "$file\_name" | awk '{print $1}')"

;;

--owner|-o)

echo "File Owner: $(ls -l "$file\_name" | awk '{print $3}')"

;;

--last-modified|-m)

echo "Last Modified: $(ls -l --time=full "$file\_name" | awk '{print $6, $7}')"

;;

\*)

echo "Error: Unknown option '$1'."

exit 1

;;

esac

shift

done

}

# Main script

case "$1" in

-l|--list)

list\_interns

;;

-a|--add)

add\_interns

;;

-r|--remove)

remove\_intern

;;

-c|--cpu)

get\_cpu\_info

;;

-m|--memory)

get\_memory\_info

;;

-u|--user-create)

create\_user "$@"

;;

-ul|--user-list)

list\_users

;;

-su|--sudo-list)

list\_sudo\_users

;;

-f|--file-getinfo)

shift

get\_file\_info "$@"

;;

-v|--version)

display\_version

;;

-h|--help)

display\_help

;;

\*)

echo "Error: Unknown option. Use 'internsctl --help' for usage information."

exit 1

;;

esac