GUIDE: Setup Secure User Accounts

Description: DevOps user guide for setting up secure accounts for new developers

1. **Create User accounts with home directories**

    Command:

        sudo useradd -m -s /bin/bash <username>

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo useradd -m -s /bin/bash sarah
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo useradd -m -s /bin/bash mike
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ c
```

replace <username> with the name of the user

2. Set initial passwords (users will be forced to change on first login)

    Command: echo "sarah:TempPass123!" | sudo chpasswd

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ echo "sarah:TempPass123!" | sudo chpasswd
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ echo "mike:TempPass123!" | sudo chpasswd
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```

3. **Create secure workspaces**

    Command: sudo mkdir -p /home/sarah/workspace

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo mkdir -p /home/sarah/workspace
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo mkdir -p /home/mike/workspace
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ ls /home/
kevin  mike  sarah
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```

4. **Set ownership and permissions**

    Command: sudo chown sarah:sarah /home/sarah/workspace \
        sudo chmod 700 /home/sarah/workspace

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo chown sarah:sarah /home/sarah/workspace && sudo chmod 700 /home/sarah/workspace
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo chown mike:mike /home/mike/workspace && sudo chmod 700 /home/mike/workspace
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```

5. **Configure password policy**

Command:

sudo sed -i 's/^PASS_MAX_DAYS.*/PASS_MAX_DAYS 30/' /etc/login.defs
sudo sed -i 's/^PASS_MIN_DAYS.*/PASS_MIN_DAYS 7/' /etc/login.defs
sudo sed -i 's/^PASS_WARN_AGE.*/PASS_WARN_AGE 7/' /etc/login.defs

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo sed -i 's/^PASS_MAX_DAYS.*/PASS_MAX_DAYS 30/' /etc/login.defs
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo sed -i 's/^PASS_MIN_DAYS.*/PASS_MIN_DAYS 7/' /etc/login.defs
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo sed -i 's/^PASS_WARN_AGE.*/PASS_WARN_AGE 7/' /etc/login.defs
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```

6. **Apply password policies to existing users**

Command : sudo chage --maxdays 30 --mindays 7 --warndays 7 sarah

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo chage --maxdays 30 --mindays 7 --warndays 7 sarah
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo chage --maxdays 30 --mindays 7 --warndays 7 mike
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```

7. **Verify configurations**

Command:

echo "Sarah's account status:"
sudo chage -l sarah

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ echo "Sarah's account status:"
                 sudo chage -l sarah
Sarah's account status:
Last password change                                    : May 24, 2025
Password expires                                        : Jun 23, 2025
Password inactive                                       : never
Account expires                                         : never
Minimum number of days between password change          : 7
Maximum number of days between password change          : 30
Number of days of warning before password expires       : 7
Remote Explorer s-computer:~/Documents/Hero_Vired/Assignment3$
```

```
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$ sudo chage -l mike
Last password change                                    : May 24, 2025
Password expires                                        : Jun 23, 2025
Password inactive                                       : never
Account expires                                         : never
Minimum number of days between password change          : 7
Maximum number of days between password change          : 30
Number of days of warning before password expires       : 7
kevin@kevins-computer:~/Documents/Hero_Vired/Assignment3$
```