Docker Case Study

The following are the steps:

1.Creating the user's list in a text file:

-> username.txt

user1
user2
user3
user4
user5

2.Creating docker container for each user:

-> create_container

The following shell script creates a docker container for each user:

```
echo -n "Please enter file name:"
read filename
while read username
    do
        docker create -it —name $username docker_image/bin/bash
    done < $filename
```

3.Using allocated containers:

-> use_container.sh

The following shell script allocates the docker container :

```
echo -n “Name of the container is :”
read name
docker start $name
docker attach $name
```

4.Monitoring the container:

-> monitor_container.sh

The following shell script monitors the docker container :

```
echo -n “Username of the container to monitor is:”
read username
docker logs -f $username
```

5.Deleting the container:

-> delete_container.sh

The following shell script deletes the docker container :

```
echo -n ”File name is :”
read filename
while read username
    do
        docker stop $username
        docker rm $username
    done < $filename
```