

README – Assignment 3

Enviroment

Operating System used for running: **MacOS 10.13.5**

Java JDK: **1.8.0_161**

```
~ » source .bash_profile
-----
~ » jdk8
-----
~ » java -version
java version "1.8.0_161"
Java(TM) SE Runtime Environment (build 1.8.0_161-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.161-b12, mixed mode)
-----
~ » |
```

Figure 1.1 Java JDK

Steps

For the server side

1. Go to the source file directory (**src/**)

```
..tion/dcms/src
~ » cd Desktop/COMP\ 6231/assignments/assignment3/solution/dcms/src
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src » pwd
/Users/xulei/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src »
```

Figure 1.2 Directory

2. Run the server file

```
1 | > java dcms.Publisher
```

```
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src » java dcms.Publisher
MTL web service is published successfully!

LVL web service is published successfully!

DDO web service is published successfully!
```

Figure 1.3 Start Server

For the client side

1. Go to the source file directory (**src/**)

```
..tion/dcms/src

~ » cd Desktop/COMP\ 6231/assignments/assignment3/solution/dcms/src
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src » pwd
/Users/xulei/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src »
```

Figure 1.4 Directory

2. Run the server file with a parameter

1 | > java dcms.ManagerClient MTL0001

```
~ » cd Desktop/COMP\ 6231/assignments/assignment3/solution/dcms/src
~/Desktop/COMP 6231/assignments/assignment3/solution/dcms/src » java dcms.ManagerClient MTL0001

-----
Welcome to DCMS System. The available options are:

1> Create a teacher record.
2> Create a student record.
3> Check the number of records.
4> Edit a record.
5> Transfer a record.
6> Load pre-test cases
7> Exit

Please select an option (1 - 7 ):
|
```

Figure 1.5 Start Client