# Lab 6 Report

**Course: ENSF 607** - Fall 2020

**Lab #:** Lab 6

Student Name: Davis Allan (10016543) and Mike Lasby (10037047)

# **Program Output**

```
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$ java -cp ./bin: Ex_1.Client
please enter a word:
racecar
racecar Is a palindrome!
please enter a word:
hello
hello
hello Is not a palindrome!
please enter a word:
QUIT
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$
```

# **Program Output**

```
Hello Mike
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$ java -cp ./bin: Ex_2.Client
Please select an option (DATE/TIME):
DATE
2020-11-07
Please select an option (DATE/TIME):
TIME
10:52:29
Please select an option (DATE/TIME):
QUIT
Good Bye!
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$
```

## **Program Output**

NOTE: Due to the encoding of allsongs.ser, please see all files for this exercise in the root folder of the git repo. Please specify the file name to read as a command line argument to ReadRecord.java

#### Write Record:

```
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$ java WriteRecord
1999 I have a dream ABBA 23.5
2012 Dream On Aerosmith 12.0
2008 Grace like rain Todd Agnew 6.7
1999 Old soul Thea Gilmor 4.5
1999 Rolling in the deep Adele 11.98
1999 I see stars Cindy Alxander 23.5
2000 I am Eighteen Alice Cooper 14.5
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$
```

#### Read Record - mysongs.ser

```
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$ java ReadRecord mySongs.ser mySongs.ser1999 I have a dream ABBA 23.5
2012 Dream On Aerosmith 12.0
2008 Grace like rain Todd Agnew 6.7
1999 Old soul Thea Gilmor 4.5
1999 Rolling in the deep Adele 11.98
1999 I see stars Cindy Alxander 23.5
2000 I am Eighteen Alice Cooper 14.5
End of file reached
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$
```

#### Read Record - allsongs.ser

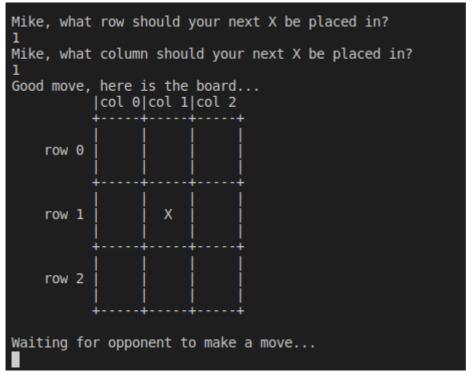
```
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$ java ReadRecord allSongs.ser
allSongs.ser1999 I have a dream ABBA 23.5
2000 S.O.S. ABBA 14.5
2013 Waterloo ABBA 30.0
2012 Dream On Aerosmith 12.0
2008 Grace like rain Todd Agnew 6.7
1999 Old soul Thea Gilmor 4.5
1988 Honey Bunny Adam Gilmor 6.7
2000 Poison Arrow ABC 7.95
1988 How Long? Ace 12.45
1991 Straight From the Heart Bryan Adams 9.9
1999 Rolling in the deep Adele 11.98
1999 I see stars Cindy Alxander 23.5
2000 I am Eighteen Alice Cooper 14.5
2013 Waterloo ABBA 30.0
2012 Smile Lily Allen 12.0
2008 Tear in your hand Tori Amos 6.7
1999 Crash about to happen Brett Anderson 4.5
1988 O Superman Laurie Anderson 6.7
2000 Do-Re-Mi Julie Andrews 7.95
End of file reached
(base) mklasby@XPS-13-9300:~/Documents/meng/607/Labs/Lab_6$
```

# **Program Output**

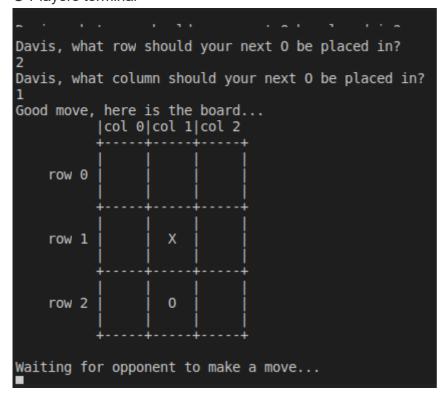
#### Server:

(base) mklasby@XPS-13-9300:-/Documents/meng/607/Labs/Lab\_6\$ /usr/lib/jym/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/mklasby/.config/Code/User/workspace Storage/16f041a7a190a49816b745d0aa180284/redhat.java/jdt\_ws/Lab\_6\_96debe1b/bin ticTacToe\_DA.Server Server is running...
1 player has connected...
2 players have connected, beginning a new game...
Server is running...

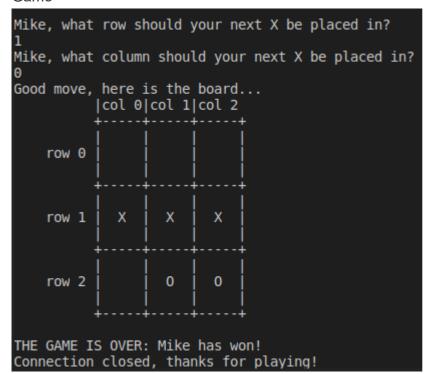
## X-Players terminal



#### O-Players terminal



### Game



# **Program Output**

Server:

```
□ Server(1) × □ ClientGUI × □ ClientGUI ×

↑ "C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2020.1

↓ Server is running...

1 player has connected...

2 players have connected, beginning a new game...

Server is running...
```

# Gui screenshots

