```java
 1  package mud;
 2
 3  import java.rmi.Remote;
 4  import java.rmi.RemoteException;
 5
 6
 7  /**
 8   * @author stefanrudvin 51549217
 9   *
10   * Class modified from practicals.package practicals.rmishout.ShoutServiceInterface
11   */
12  public interface MUDServiceInterface extends Remote {
13
14      String welcome() throws RemoteException;
15
16      boolean initializePlayer(String username, String serverName) throws RemoteException;
17
18      String getStartLocation() throws RemoteException;
19
20      String getLocationInfo(String location) throws RemoteException;
21
22
23      void decrementPlayerTimeOut() throws RemoteException;
24
25      String refreshPlayerTimeOut(String username) throws RemoteException;
26
27
28      String moveDirection(String current, String direction, String username) throws
    RemoteException;
29
30      String getObjectsAtLocation(String location) throws RemoteException;
31
32      void takeItem(String item, String location) throws RemoteException;
33
34      void dropItem(String item, String location) throws RemoteException;
35
36
```

```java
37      boolean createMUD(String name) throws RemoteException;
38
39      String changeMUD(String name, String playerName) throws RemoteException;
40
41      void exitMUD(String username, String location) throws RemoteException;
42
43      String getMudsString() throws RemoteException;
44
45
46      String getMUDTotal() throws RemoteException;
47
48      String getPlayerTotal() throws RemoteException;
49
50      String getMUDPlayerTotal() throws RemoteException;
51
52      Integer setMaxPlayersPerMud(int maxPlayersPerMud) throws RemoteException;
53
54      Integer setMaxTotalPlayers(int maxTotalPlayers) throws RemoteException;
55
56      Integer setMaxNumOfMuds(int maxNumOfMuds) throws RemoteException;
57
58 }
59
```