```java
1 package webapplication.datatransferobjects;
2
3 import java.util.ArrayList;
4
5 /**
6  * Operatoer Data Access Objekt
7  *
8  * @author mn/tb
9  * @version 1.2
10  */
11
12
13 public class OperatoerDTO
14 {
15     /** Operatoer-identifikationsnummer (opr_id) i omraadet 1-99999999. Vaelges af brugerne */
16     int oprId;
17     /** Operatoernavn (opr_navn) min. 2 max. 20 karakterer */
18     String oprNavn;
19     /** Operatoer-initialer min. 2 max. 3 karakterer */
20     String ini;
21     /** Operatoer cpr-nr 10 karakterer */
22     String cpr;
23     /** Operatoer password min. 7 max. 8 karakterer */
24     String password;
25     /** Operatoer roller "admin", "pharmacist", "foreman", "laborant". max. 40 karakterer**/
26     List<String> roles;
27     /** Is the user active? TRUE or FALSE**/
28     boolean oprActive;
29
30     public OperatoerDTO(int oprId, String oprNavn, String ini, String password, boolean oprActive)
31     {
32         this.oprId = oprId;
33         this.oprNavn = oprNavn;
34         this.ini = ini;
35         this.password = password;
36         this.oprActive = oprActive;
37         this.roles = new ArrayList<String>();
38     }
39
40     public OperatoerDTO(int oprId, String oprNavn, String ini, String password, boolean oprActive, List<String> roles)
41     {
42         this.oprId = oprId;
43         this.oprNavn = oprNavn;
44         this.ini = ini;
45         this.password = password;
46         this.oprActive = oprActive;
47         this.roles = roles;
48     }
49
50     public OperatoerDTO(OperatoerDTO opr)
51     {
52         this.oprId = opr.getOprId();
53         this.oprNavn = opr.getOprNavn();
54         this.ini = opr.getIni();
55         this.password = opr.getPassword();
56         this.roles = opr.getRoles();
57         this.oprActive = opr.getOprActive();
58     }
59
60     public int getOprId() { return oprId; }
```

```java
61      public void setOprId(int oprId) { this.oprId = oprId; }
62      public String getOprNavn() { return oprNavn; }
63      public void setOprNavn(String oprNavn) { this.oprNavn = oprNavn; }
64      public String getIni() { return ini; }
65      public void setIni(String ini) { this.ini = ini; }
66      public String getPassword() { return password; }
67      public void setPassword(String password) { this.password = password; }
68      public List<String> getRoles(){return roles;}
69      public void setRoles(List<String> roles){this.roles = roles;}
70      public void setRoles(String roles){
71          roles = roles.replaceAll(" ", "");
72          String[] temp = roles.split(",");
73          List<String> list = new ArrayList<String>();
74          for(String s:temp){
75              list.add(s.toLowerCase());
76          }
77          this.setRoles(list);
78      }
79      public void addRole(String role){this.roles.add(role);}
80      public boolean getOprActive(){return oprActive;}
81      public void setOprActive(boolean oprActive){this.oprActive = oprActive; }
82      @Override
83      public String toString() {
84          String rlst = "";
85          for(String s:roles){rlst += s + " ";}
86          return oprId + "\t" + oprNavn + "\t" + ini + "\t" + password + "\t" + oprActive +
    "\t" + rlst; }
87
88
89
90 }
91
```