

```
1 package fr.insalyon.dasi.gustatif.dao;
2
3 import fr.insalyon.dasi.gustatif.metier.modele.Client;
4 import java.util.List;
5 import javax.persistence.EntityManager;
6 import javax.persistence.Query;
7
8
9 public class ClientDao {
10
11     public void create(Client client) throws Throwable {
12         EntityManager em = JpaUtil.obtenirEntityManager();
13         try {
14             em.persist(client);
15         }
16         catch (Exception e) {
17             throw e;
18         }
19     }
20
21     public Client update(Client client) throws Throwable {
22         EntityManager em = JpaUtil.obtenirEntityManager();
23         try {
24             client = em.merge(client);
25         }
26         catch (Exception e) {
27             throw e;
28         }
29         return client;
30     }
31
32     public Client findById(Long id) throws Throwable {
33         EntityManager em = JpaUtil.obtenirEntityManager();
34         Client client = null;
35         try {
36             client = em.find(Client.class, id);
37         }
38         catch (Exception e) {
39             throw e;
40         }
41         return client;
42     }
43
44     public Client findByMailAndPassword(String mail, String password)
45         throws Throwable {
46         EntityManager em = JpaUtil.obtenirEntityManager();
47         List<Client> clients = null;
48         Client c = null;
49         try {
50             Query q = em.createQuery("SELECT c FROM Client c WHERE
51                                     c.mail = "
52                                     + " :mail AND c.motDePasse = :password");
53             q.setParameter("mail", mail);
54             q.setParameter("password", password);
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```
54         clients = (List<Client>) q.getResultList();
55     }
56     catch(Exception e) {
57         throw e;
58     }
59     try {
60         c = clients.get(0);
61     } catch (Exception e){
62     }
63     return c;
64 }
65
66 public Client findByMail(String mail) throws Throwable {
67     EntityManager em = JpaUtil.obtenirEntityManager();
68     List<Client> clients = null;
69     Client c = null;
70     try {
71         Query q = em.createQuery("SELECT c FROM Client c "
72             + "WHERE c.mail = :mail");
73         q.setParameter("mail", mail);
74         clients = (List<Client>) q.getResultList();
75     }
76     catch(Exception e) {
77         throw e;
78     }
79     try {
80         c = clients.get(0);
81     } catch (Exception e){
82     }
83     return c;
84 }
85
86 public List<Client> findAll() throws Throwable {
87     EntityManager em = JpaUtil.obtenirEntityManager();
88     List<Client> clients = null;
89     try {
90         Query q = em.createQuery("SELECT c FROM Client c ORDER BY c.nom");
91         clients = (List<Client>) q.getResultList();
92     }
93     catch(Exception e) {
94         throw e;
95     }
96     return clients;
97 }
98 }
99
```