```java
1    package fr.insalyon.dasi.gustatif.dao;
2
3    import fr.insalyon.dasi.gustatif.metier.modele.Commande;
4    import fr.insalyon.dasi.gustatif.metier.modele.LigneDeCommande;
5    import java.util.List;
6    import javax.persistence.EntityManager;
7    import javax.persistence.Query;
8
9    /*
10    * To change this license header, choose License Headers in Project    ↵
       Properties.
11    * To change this template file, choose Tools | Templates
12    * and open the template in the editor.
13    */
14
15    /**
16     *
17     * @author Nico
18     */
19    public class LigneDeCommandeDao {
20
21        public void create(LigneDeCommande ligneDeCommande) throws    ↵
          Throwable {
22            EntityManager em = JpaUtil.obtenirEntityManager();
23            try {
24                em.persist(ligneDeCommande);
25            }
26            catch(Exception e) {
27                throw e;
28            }
29        }
30
31        public LigneDeCommande update(LigneDeCommande ligneDeCommande)
32                throws Throwable {
33            EntityManager em = JpaUtil.obtenirEntityManager();
34            try {
35                ligneDeCommande = em.merge(ligneDeCommande);
36            }
37            catch(Exception e){
38                throw e;
39            }
40            return ligneDeCommande;
41        }
42
43        public LigneDeCommande findById(Long id) throws Throwable {
44            EntityManager em = JpaUtil.obtenirEntityManager();
45            LigneDeCommande ligneDeCommande = null;
46            try {
47                ligneDeCommande = em.find(LigneDeCommande.class, id);
48            }
49            catch(Exception e) {
50                throw e;
51            }
52            return ligneDeCommande;
```

```java
53        }
54
55      public List<LigneDeCommande> findByCommandeID(Long commandeId)
56              throws Throwable {
57          EntityManager em = JpaUtil.obtenirEntityManager();
58          List<LigneDeCommande> lignesDeCommande = null;
59
60          try {
61              Commande c = em.find(Commande.class, commandeId);
62              if(c != null)
63              {
64                  lignesDeCommande = c.getLignesDeCommande();
65                  if(lignesDeCommande.isEmpty())
66                  {
67                      lignesDeCommande = null;
68                  }
69              }
70          }
71          catch(Exception e) {
72              throw e;
73          }
74          return lignesDeCommande;
75      }
76
77      public List<LigneDeCommande> findAll() throws Throwable {
78          EntityManager em = JpaUtil.obtenirEntityManager();
79          List<LigneDeCommande> lignesDeCommande = null;
80          try {
81              Query q = em.createQuery("SELECT l FROM LigneDeCommande l");
82              lignesDeCommande = (List<LigneDeCommande>) q.getResultList();
83          }
84          catch(Exception e) {
85              throw e;
86          }
87          return lignesDeCommande;
88      }
89  }
90
```