```java
 1  /*
 2   * To change this license header, choose License Headers in Project
    Properties.
 3   * To change this template file, choose Tools | Templates
 4   * and open the template in the editor.
 5   */
 6  package fr.insalyon.dasi.gustatif.dao;
 7
 8  import fr.insalyon.dasi.gustatif.metier.modele.LivreurVelo;
 9  import java.util.List;
10  import javax.persistence.EntityManager;
11  import javax.persistence.Query;
12
13  /**
14   *
15   * @author Nico
16   */
17  public class LivreurVeloDao extends LivreurDao {
18
19      public List<LivreurVelo> findAllLivreursVelos() throws Throwable {
20          EntityManager em = JpaUtil.obtenirEntityManager();
21          List<LivreurVelo> livreurs = null;
22          try {
23              Query q = em.createQuery("SELECT l FROM LivreurVelo l");
24              livreurs = (List<LivreurVelo>) q.getResultList();
25          }
26          catch(Exception e) {
27              throw e;
28          }
29          return livreurs;
30      }
31
32      public List<LivreurVelo> findAllLivreursVelosDisponibles() throws
        Throwable {
33          EntityManager em = JpaUtil.obtenirEntityManager();
34          List<LivreurVelo> livreurs = null;
35          try {
36              Query q = em.createQuery("SELECT l FROM LivreurVelo l WHERE "
37                      + "l.disponible = TRUE");
38              livreurs = (List<LivreurVelo>) q.getResultList();
39          }
40          catch(Exception e) {
41              throw e;
42          }
43          return livreurs;
44      }
45
46      public List<LivreurVelo> findAllLivreursVelosDisponibles(Double
        commandeWeight)
47              throws Throwable
48      {
49          EntityManager em = JpaUtil.obtenirEntityManager();
50          List<LivreurVelo> livreurs = null;
51          try {
```

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52          Query q = em.createQuery("SELECT l FROM LivreurDrone l     ↵
            WHERE "
53                      + "l.disponible = TRUE AND l.chargeMax >=      ↵
            :commandeWeight");
54          q.setParameter("commandeWeight", commandeWeight);
55          livreurs = (List<LivreurVelo>) q.getResultList();
56      }
57      catch(Exception e) {
58          throw e;
59      }
60      return livreurs;
61  }

62
63  public LivreurVelo findLivreurVeloByMailAndPassword(String mail,   ↵
    String password)
64          throws Throwable {
65      EntityManager em = JpaUtil.obtenirEntityManager();
66      List<LivreurVelo> livreurs = null;
67      LivreurVelo lv = null;
68      try {
69          Query q = em.createQuery("SELECT l FROM LivreurVelo l WHERE "
70                      + "l.mail = :mail AND l.motDePasse = :password");
71          q.setParameter("mail", mail);
72          q.setParameter("password", password);
73          livreurs = (List<LivreurVelo>) q.getResultList();
74      }
75      catch(Exception e) {
76          throw e;
77      }
78      try {
79          lv = livreurs.get(0);
80      } catch (Exception e){
81      }
82      return lv;
83  }
84  }
85
```