

```
1 | from app import db
2 |
3 | def add_new_book(title, author, isbn, owner, tag=[]):
4 |     sql = "INSERT INTO book (title, author, isbn, tag, created_at, owner) \
5 |         VALUES (:title, :author, :isbn, :tag, NOW(), :owner)"
6 |     db.session.execute(sql, {"title":title, "author":author, "isbn":isbn, "tag":tag, "owner":owner})
7 |     db.session.commit()
8 |     return True
9 |
10 | def get_all():
11 |     sql = "SELECT * FROM book WHERE visible=1"
12 |     result = db.session.execute(sql)
13 |     books = result.fetchall()
14 |     return books
15 |
16 | def get_by_user(owner):
17 |     sql = "SELECT * FROM book WHERE visible=1 AND owner=:owner"
18 |     result = db.session.execute(sql, {"owner":owner})
19 |     articles = result.fetchall()
20 |     return articles
21 |
22 | def get_one(id):
23 |     sql = "SELECT * FROM book WHERE id=:id"
24 |     result = db.session.execute(sql, {"id":id})
25 |     book = result.fetchone()
26 |     return book
27 |
28 | def hide(item_id):
29 |     sql = "UPDATE book SET visible = 0 WHERE id=:item_id "
30 |     db.session.execute(sql, {"item_id":item_id})
31 |     db.session.commit()
32 |     return True
33 |
34 | def search(key, owner):
35 |     sql = "SELECT * FROM book WHERE (visible=1 AND owner=:owner) \
36 |         AND (title ILIKE :key OR author ILIKE :key OR key_tag = ANY(tag))"
37 |     result = db.session.execute(sql, {"owner":owner, "key": "%" + key + "%", "key_tag":key})
38 |     book = result.fetchall()
39 |     return book
40 |
41 | def update(id, attributes):
42 |     if not attributes:
43 |         return False
44 |     try:
45 |         tag = attributes["tag"]
46 |         tag = [t.strip() for t in tag.split(";")]
47 |         sql = "UPDATE book SET title=:title, author=:author, isbn=:isbn, tag=:tag WHERE id=:id"
48 |         db.session.execute(sql, {"title": attributes["title"],
49 |                                   "author": attributes["author"],
50 |                                   "isbn": attributes["isbn"],
51 |                                   "tag": tag,
52 |                                   "id": id})
53 |         db.session.commit()
54 |     except:
55 |         return False
56 |     return True
```