```python
1   from app import db
2
3   def add_new_video(title, channel, url, owner, tag=[]):
4       sql = "INSERT INTO video (title, channel, url, tag, created_at, owner) \
5           VALUES (:title, :channel, :url, :tag, NOW(), :owner)"
6       db.session.execute(sql, {"title":title, "channel":channel, "url":url, "tag":tag, "owner":owner}
7       db.session.commit()
8       return True
9
10  def get_all():
11      sql = "SELECT * FROM video WHERE visible=1"
12      result = db.session.execute(sql)
13      videos = result.fetchall()
14      return videos
15
16  def get_by_user(owner):
17      sql = "SELECT * FROM video 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 video WHERE id=:id"
24      result = db.session.execute(sql, {"id":id})
25      video = result.fetchone()
26      return video
27
28  def hide(item_id):
29      sql = "UPDATE video 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 video WHERE (visible=1 AND owner=:owner) AND (title ILIKE :key OR channel
36          ILIKE :key OR :key_tag = ANY(tag))"
37      result = db.session.execute(sql, {"owner":owner, "key":"%" + key + "%", "key_tag":key})
38      videos = result.fetchall()
39      return videos
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 video SET title=:title, channel=:channel, url=:url, tag=:tag WHERE id=:id"
48          db.session.execute(sql, {"title": attributes["title"],
49                                   "channel": attributes["channel"],
50                                   "url": attributes["url"],
51                                   "tag": tag,
52                                   "id": id})
53          db.session.commit()
54      except:
55          return False
56      return True
```