```java
package model.dao;

import java.sql.ResultSet;

public class ItemDAO extends DAO<Item> {
    private static Map<String, String[]> COLUMNS;
    private static List<String[]> searchColumns;

    public ItemDAO() throws Exception {
        super("ITEM");
        COLUMNS = new HashMap<String, String[]>();
        searchColumns = new ArrayList<String[]>();

        COLUMNS.put("qty", new String[]{"QTY", "num"});
        COLUMNS.put("name", new String[]{"NAME", "str"});
        COLUMNS.put("price", new String[]{"PRICE", "num"});
        COLUMNS.put("id", new String[]{"NUMBER", "str"});
        COLUMNS.put("num", new String[]{"NUMBER", "str"});
        COLUMNS.put("cid", new String[]{"CATID", "num"});
        COLUMNS.put("unit", new String[]{"UNIT", "str"});

        searchColumns.add(COLUMNS.get("name"));
        searchColumns.add(COLUMNS.get("num"));
    }

    @Override
    public String convertToColumnName(String by) {
        String result = COLUMNS.get("cid")[0];

        if (COLUMNS.containsKey(by) || COLUMNS.containsKey(by.toLowerCase()))
        {
            result = COLUMNS.get(by)[0];
        }
        else if (by.equals(COLUMNS.get("name")[0]))
        {
            result = COLUMNS.get("name")[0];
        }
        else if (by.toLowerCase().equals("price") || by.equals(COLUMNS.get("price")[0]))
        {
            result = COLUMNS.get("price")[0];
        }
        else if (by.toLowerCase().equals("quantity") ||
by.equals(COLUMNS.get("qty")[0]))
        {
            result = COLUMNS.get("qty")[0];
        }
        else if (by.toLowerCase().equals("number") || by.toLowerCase().equals("num") || by.equals(COLUMNS.get("id")[0]))
        {
            result = COLUMNS.get("id")[0];
        }
        else if (by.toLowerCase().equals(COLUMNS.get("cid")[0]))
        {
            result = COLUMNS.get("cid")[0];
        }
        else if (by.toLowerCase().equals(COLUMNS.get("unit")[0]))
        {
            result = COLUMNS.get("unit")[0];
        }
        return result;
    }

    @Override
    public List<String[]> getSearchColumns() {
        return searchColumns;
    }

    @Override
    public Item createBean(ResultSet r) throws Exception {
        Item item = new Item();
        item.setName(getName(r));
        item.setQuantity(getQuantity(r));
        item.setPrice(getPrice(r));
        item.setNumber(getNumber(r));
        item.setCatID(getCatID(r));
        item.setUnit(getUnit(r));
        return item;
    }

    @Override
    public Map<String, String[]> getColumns() {
        return COLUMNS;
    }

    public String getId(ResultSet r) throws Exception {
        return r.getString(COLUMNS.get("id")[0]);
    }

    public String getName(ResultSet r) throws Exception {
        return r.getString(COLUMNS.get("name")[0]);
    }

    public double getPrice(ResultSet r) throws Exception {
        return r.getDouble(COLUMNS.get("price")[0]);
    }

    public int getQuantity(ResultSet r) throws Exception {
        return r.getInt(COLUMNS.get("qty")[0]);
    }

    public String getNumber(ResultSet r) throws Exception {
        return r.getString(COLUMNS.get("num")[0]);
    }

    public int getCatID(ResultSet r) throws Exception {
        return r.getInt(COLUMNS.get("cid")[0]);
    }

    public String getUnit(ResultSet r) throws Exception {
        return r.getString(COLUMNS.get("unit")[0]);
    }

    public static void main(String[] args) throws Exception {
        ItemDAO itemDao = new ItemDAO();
        System.out.println(itemDao.getAll().toString());
    }
}

```