Brand Repository

Functional Specifications

1   Content

2 Document Information

2.1 Versions

Version	Author	Modifications
2013.11.13 #2	P. Plagnol	Creation of the document
2013.11.13 # 3	P. Plagnol	Modifications in blue

3 Data

3.1 Definitions

BSIN: The **B**rand **S**tandard **I**dentification **N**umber is a 6-character alphanumeric unique (0 and O excluded) identifier assigned by OKFN. Each brand stored on this repository is given a unique BSIN.
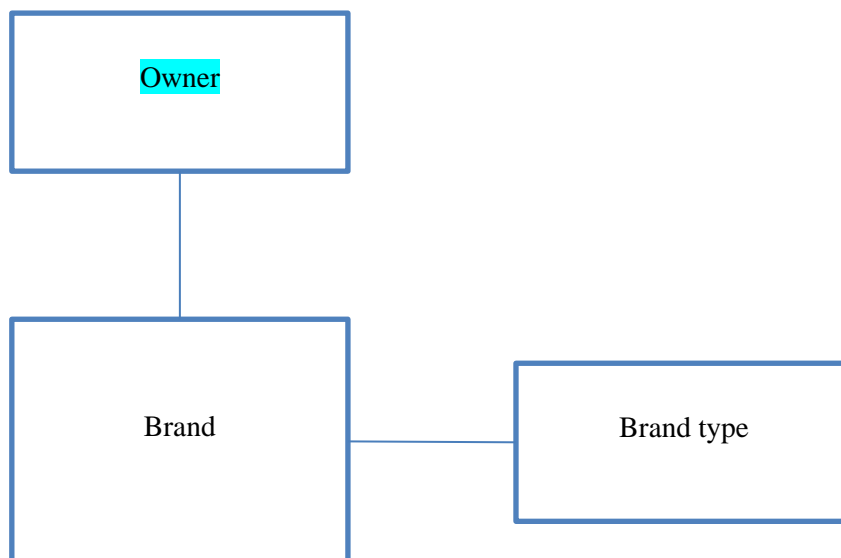
<mark>Owner</mark>: Legal owner of brand

Type of brand: Brand owner by manufacturer and retailers are of 2 different types. The repository contains groups of brands when the number of brand is too important and that the number of product is small (Wine, Cheese,…).

3.2 Perimeter

The repository excludes brands assigned to books and magazine.

3.3 Schema

```
┌─────────────────────┐
│                     │
│       Owner         │
│                     │
└──────────┬──────────┘
           │
┌──────────┴──────────┐        ┌─────────────────────┐
│                     │        │                     │
│       Brand         ├────────┤     Brand type      │
│                     │        │                     │
└─────────────────────┘        └─────────────────────┘
```

3.4 Data Model

3.4.1 BRAND table

Field	PK/FK	Type	Null	Description
BSIN	PK	char(6)	N	BSIN code
BRAND_NM		varchar(255)	N	Name of the brand
GROUP_CD	FK	int	Y	Group owning the brand
BRAND_TYPE_CD	FK	int	N	Type of the brand
BRAND_LINK		varchar(255)	Y	URL of the brand
INSERT_USR		?	N	User adding a brand
INSERT_DT		?	N	Time Date of insertion of the record
DELETE_FLAG		boolean	N	0: not deleted, 1: deleted

3.4.2 BRAND_TYPE table

Field	PK/FK	Type	Null	Description
BRAND_TYPE_CD	PK	int	N	Type code
BRAND_TYPE_NM		varchar(255)	N	1: Manufacturer-brand 2: Retailer Brand 3: Group of brands

3.4.3 BRAND_OWNER table

Field	PK/FK	Type	Null	Description
OWNER_CD	PK	int	N	Owner code
OWNER_NM		varchar(255)	N	Owner name
OWNER_LINK		varchar(255)	Y	URL of the owner website
OWNER_WIKI_EN		varchar(255)	Y	URL of the English wiki (end of URL)

4 Functionality

4.1 Users

Type of users, authorizations, access,…

4.2 Brand management

4.2.1 Add a brand

4.2.1.1 Interface

A text field is used to get the brand name.

1 type of brand is selected among all the types stored in brand_type.

A owner is selected among all the owner of the brand_owner table

A tool propose to upload the logo and automatically put him to a format of 150 * 150 pixel

4.2.1.2   Controls

These fields are required: Brand name and brand type.

Remark: The brand must be unique so it's very important to ensure that the brand Is not already used. This could be auto

4.2.1.3   Functional rules

When a brand is added in the repository, The BSIN is randomly generated. The BSIN is composed of 6 alpha numeric characters in **upper case** and **excluding 'O' and '0'** (zero) to avoid confusion.

The picture uploaded is resized to 150px*150px and stored locally (the storage on amazon will be done in a future release).

Add who added this record and when.

4.2.2   Modify a brand

4.2.3   Delete a brand