**GrandTotal**

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Requirement Analysis

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1. Description

The application will enable the centralization of data related to sales of products made by GrandChef, in order to obtain statistical information.

The users of the application will be companies by type, manufacturer, importer interested in sales. Retail sale of their products.

2. Domains

There will be described both the usage scenarios, for the company to manage the system for the users (the employees) to get data.

3. Interests

When receiving a message, the application will perform the following actions:

- GrandTotal will check the validity of the unique code attributed to the Retailer;

- Identify the person and, if the he/she is not registered in GrandTotal the vendor's Web service will be called, to get the person’s data;

- Identify product based on the mapping between specific names and Grand defined standard names;

- If everything is OK, the application will record the sale and will mark the message with OK;

- If there are problems, the application will mark PENDING message and will inform an admin;

4. Actors and objectives

4.1 Actors

Admin - Role

➢ creates accounts, defines the standard nomenclatures, defines the attributes of the products;

➢ has access to all functionalities;

Supplier (manufacturer, supplier) - Role

➢ specific data updates

➢ defines product categories, products

➢ sees its product-specific reports and charts

Retailer (Reseller) - Role

➢ specific data updates

➢ updates the data of persons involved in sales

➢ defines the mapping between its products and the standard

➢ transmitted sees sales

4.2 Objectives

* Defining manufacturers

Properties: name, contact, etc.

* Defining retailers

Properties: unique, name, URL, Web services, email, etc.

* Defining persons involved in selling

Properties: unique code (CNP), name, etc.

Their data will be automatically entered in GrandChef

* Defining product types (these have a generic character, based on the producer)
* Defining standard products
* Define product attributes
* Defining general nomenclatures
* Sales management
* Viewing reports (graphs)

User accounts will be created manually by an admin.

Non-admin users will only be able to log.

The request to create an account to make a message / email.

[A premium account will have access to comprehensive reports and charts.]

5. Usage Scenarios

1. Mister John Smith, a very important person from the Coca-Cola company, would like to know what restaurant from Iasi sold the most Fanta products.

2. Miss Jane Doe, from the Ursus Breweries, would like to reward the waiter who sold the biggest quantity of Ursus beer.

3. Mister John Doe, waiter, from the restaurant „Mamammia” would like to know what is the best selling brand of beer.