



/* the Business Intelligence Free Platform */

Laboratorio SpagoBI Case Study e Inventory

Testimonianza di:

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Who my customer is?

- What is his business?
- How is he organized?
- What his technological level is?
- What are his critical points?

Who are my potential users?

- Business roles
- What they manage
- What analysis habits they have
- Inefficiencies and troubles

Needs

- General and particular needs
- Urgencies and positive or negative effects

Data management

- What are the areas with better or worst data organization?

Don't start immediately
developing reports !

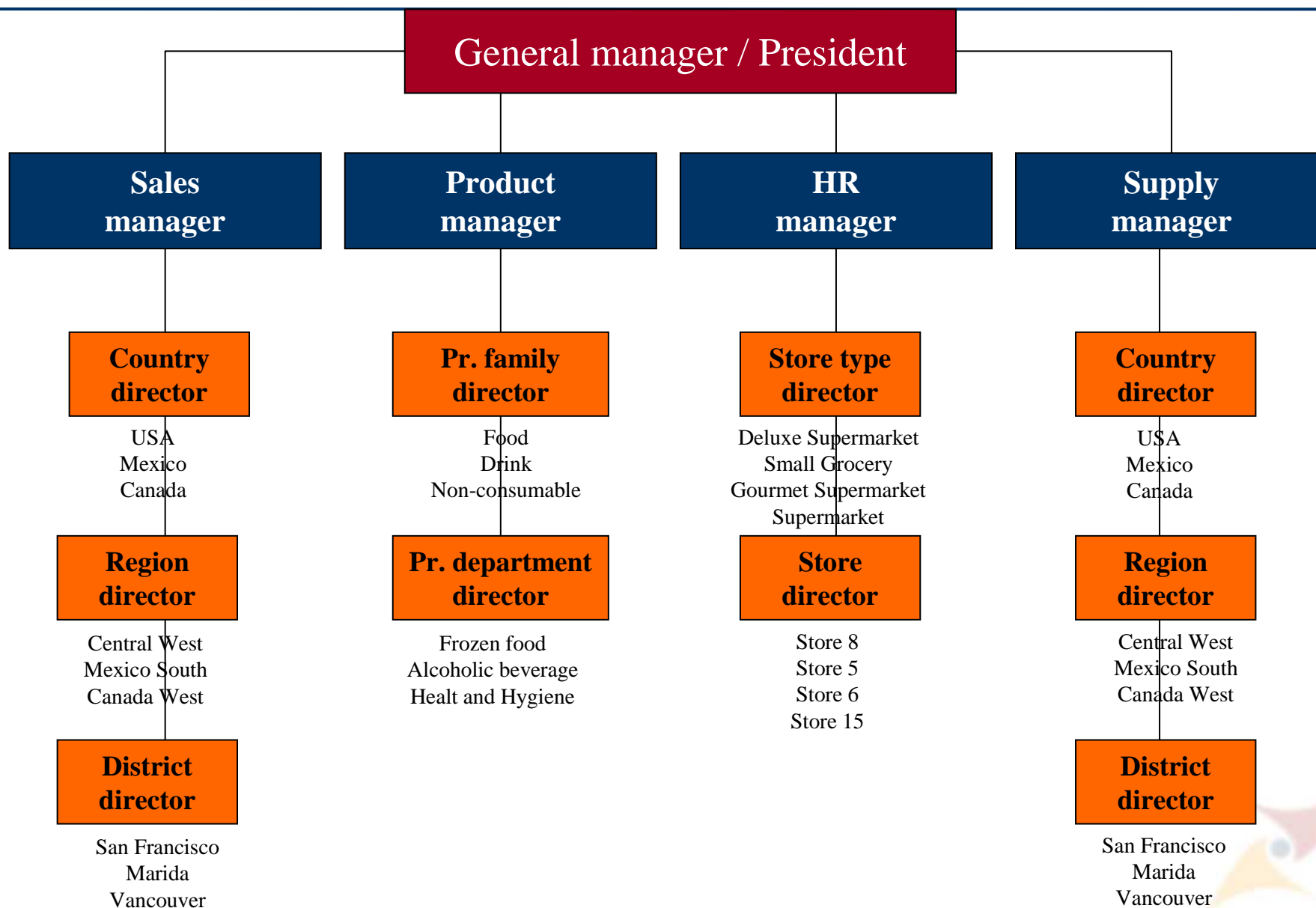
Don't start to satisfy all areas
in one shot !

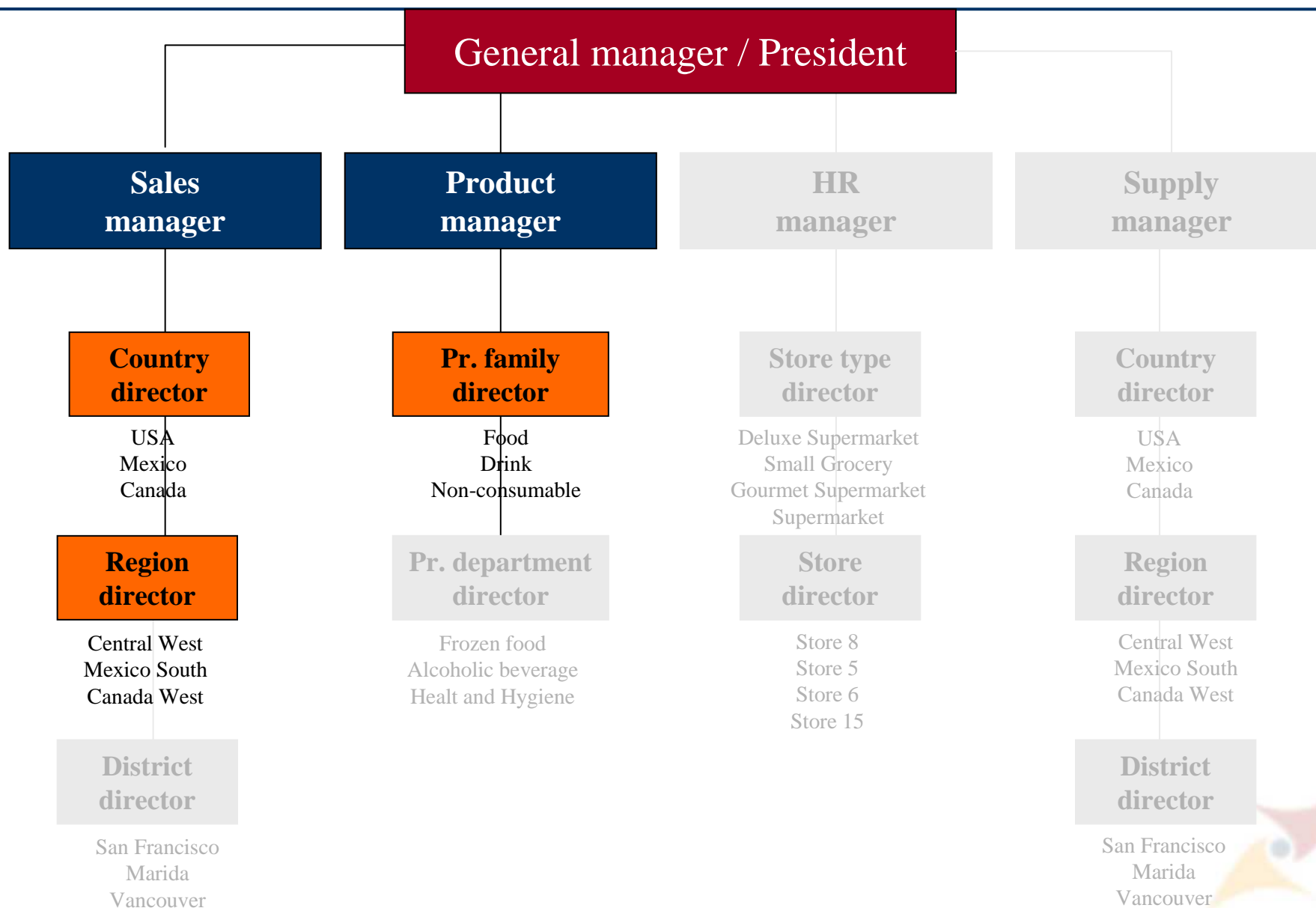
Identify your first customer in
customer

Don't start from area with the
worst data

Evolutionary plan







Aims:

- satisfy the users' analytical needs
- regulate the visibility on data and documents in relation to the users' roles and business responsibilities
- set up a representative model of the users behaviour
- choose the right tools for every category of users and analysis need
- build a customized model and analytical environment, with different freedom degrees
- set up an evolutionary development plan



General director:

- Are the profits in line with my expectations?
- What's the value of the effort to reach the annual aims?
- How am I with respect to my competitors?
- What are the product lines with best performances?
- What are the distribution lines with best performances?
- What is my position on the market?
- What is my factor of competitiveness ?
- What are the growth rates with respect to last year?
- What is the company's state of health?
- What are the critical states on the internal costs management?
- What are the structure costs to optimize ?
- What are the greater inefficiency factors?
- What is the costs optimization degree ?
- ...



General director:

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Sales manager (Country Sales director, Regional Sales director partially):

- Am I respecting the sale aims?
- What about the sales with respect to last year?
- What are the most difficult zones?
- **How the sales are distributed over geography?**
- **How do the promotions act on the sales?**
- Why are the sales of a product fallen in a few zones?
- ...

Product manager (Product family director partially):

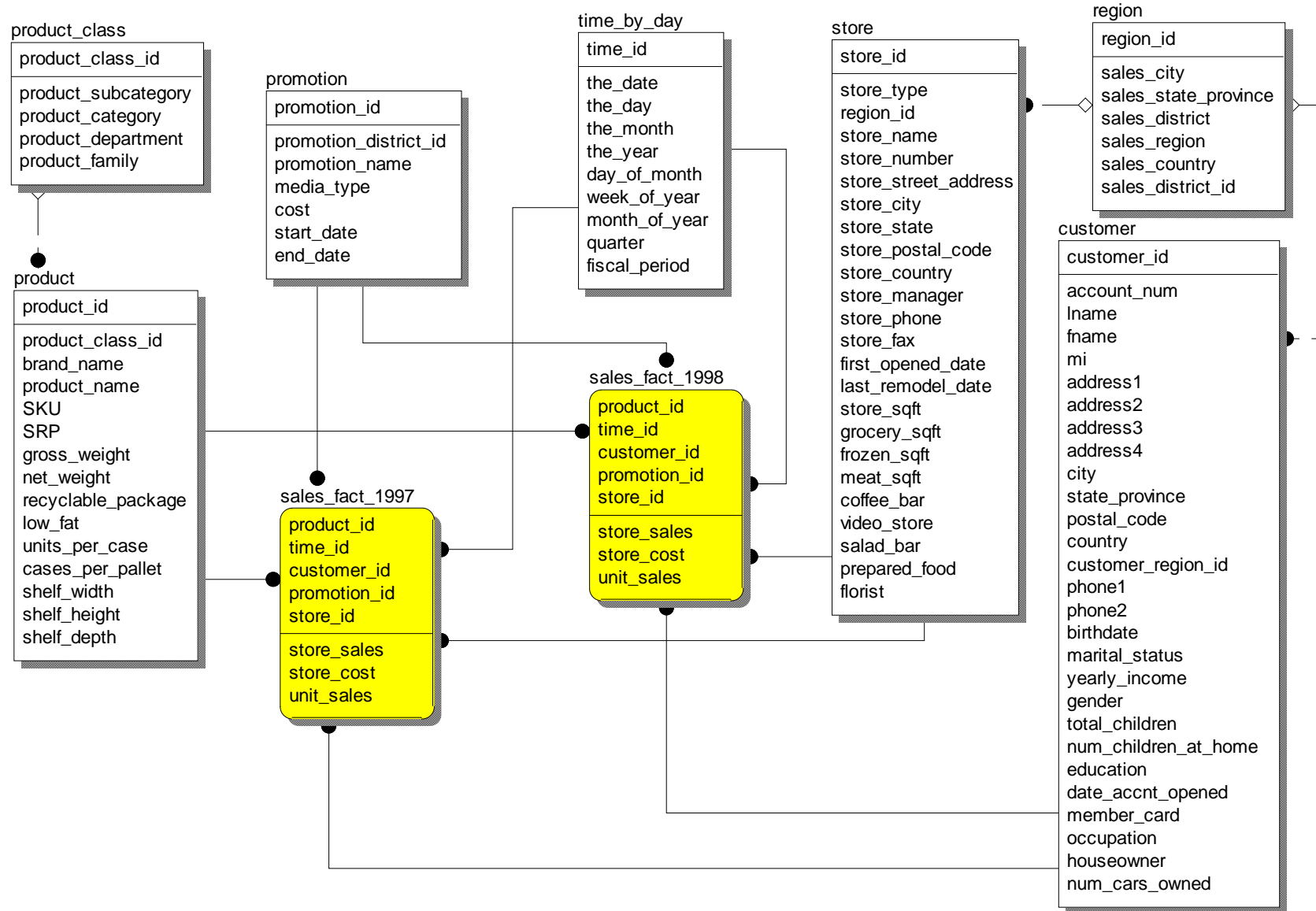
- Where a promotion is useful ? Where a promotion is necessary ?
- What product could be the most competitive ?
- Where and when the launching of a the product is opportune ?
- **How is the product sales state ?**
- What is the most profitable product?
- What is the most expensive product for the company?
- What products are more fashionable?
- **What is the product most bought from young people? And from old ones ? And from female ?**
- ...

Data Analysis

- Identify the relevant indicator to answer to the Analytical questions
 - Grane, historical depth
- What elementary data they involve ?
- Where elementary data are ?

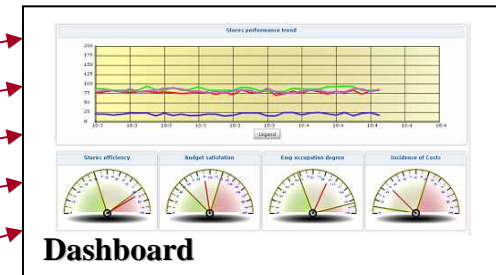
Implementation

- How can I reach source data ?
 - ⇒ ETL/EAI/EII, loading criteria (time, policy)
- How have I to organize data in order to satisfy the analytical needs ?
 - ⇒ Data Model
- What are the meaningfull views ?
 - ⇒ Analytical document types and templates
- How user works with analyiytcal documents
 - ⇒ Behavioural model



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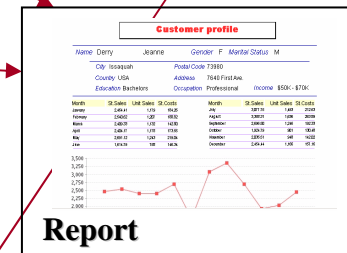


Product	Store	Measures		
		Unit Sales	Store Cost	Store Sales
+Carousel	+All Stores	641	298.30	1,500.11
+Checkout	+All Stores	1,770	779.12	3,767.71
+Health and Hygiene	+All Stores	16,204	4,601.99	32,571.86
+Bathroom Products	+All Stores	5,985	1,719.32	11,981.60
	+Canada			
	+Mexico			
	+USA	5,885	1,719.32	11,981.60
+Cold Remedies	+All Stores	1,776	496.26	2,356.71
+Disinfectants	+All Stores	3,833	412.29	3,200.54
+Hygiene	+All Stores	3,556	545.38	6,062.45
+Pain Relievers	+All Stores	3,254	1,428.68	7,970.56
+Household	+All Stores	27,028	6,923.68	60,469.89
+Periodicals	+All Stores	4,294	1,933.53	9,056.78

OLAP

Sales manager (Country Sales director, Regional Sales director partially)

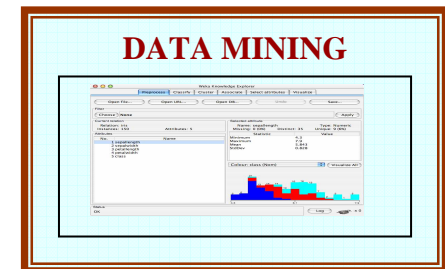
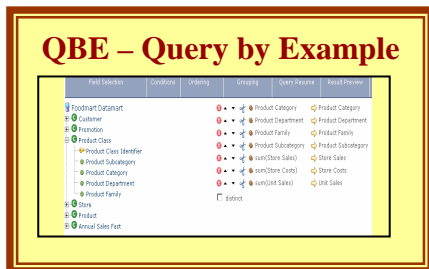
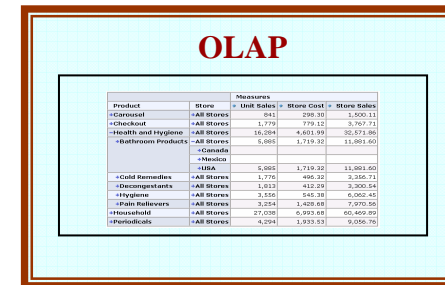
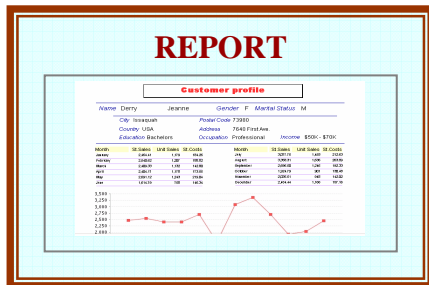
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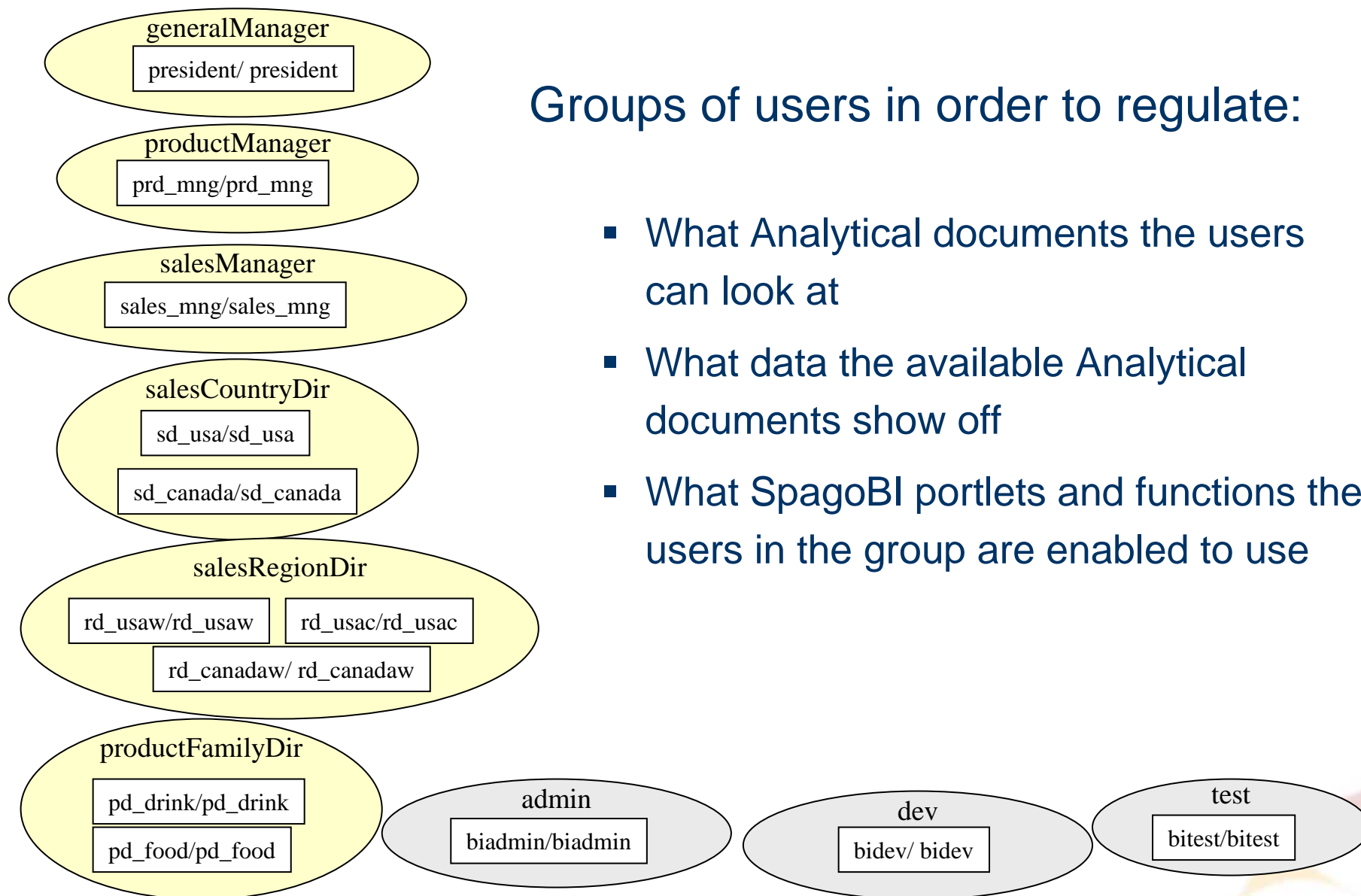


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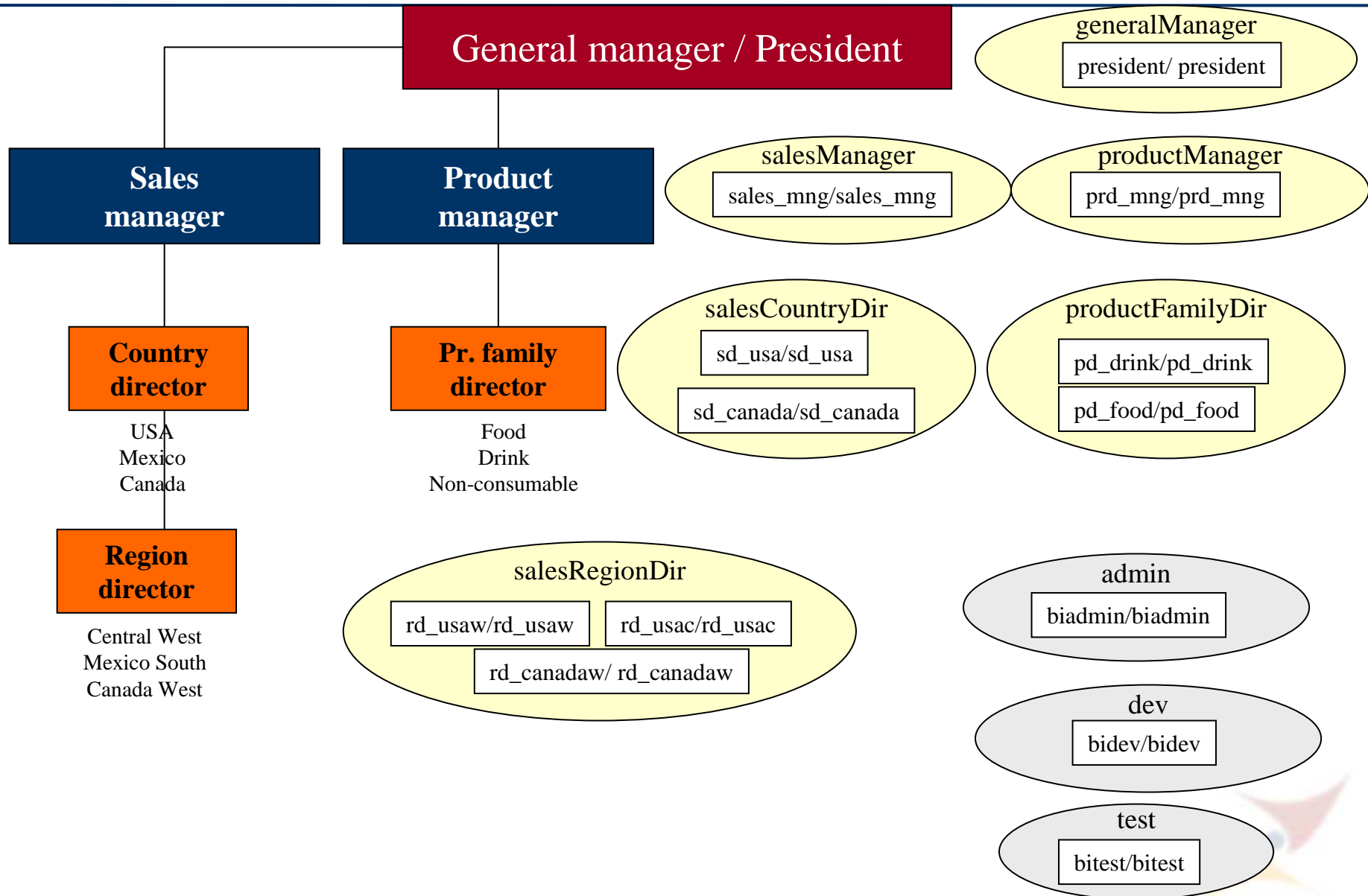


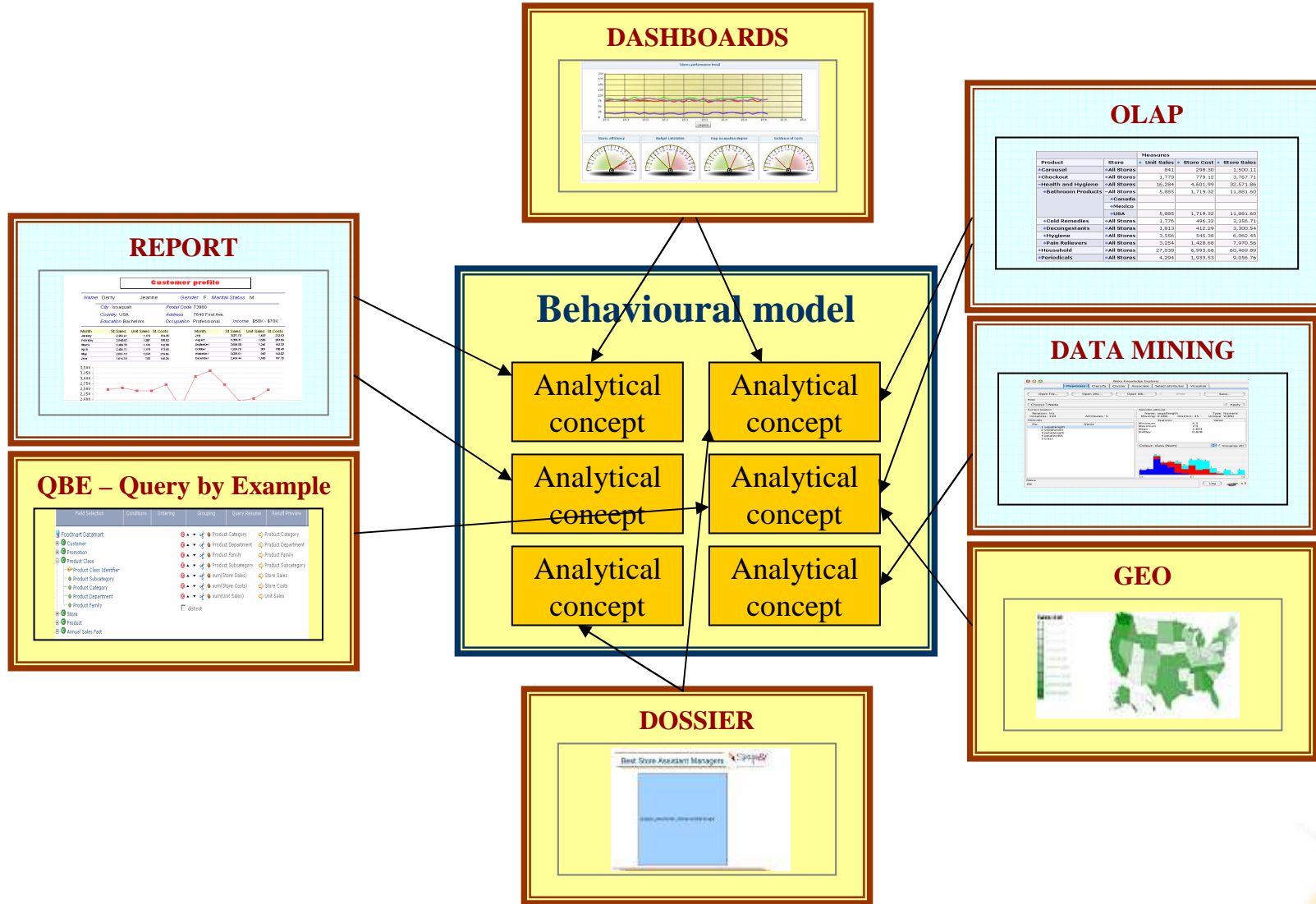




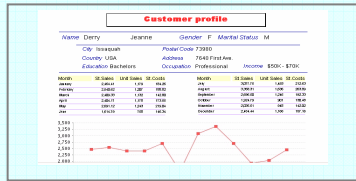
Groups of users in order to regulate:

- What Analytical documents the users can look at
- What data the available Analytical documents show off
- What SpagoBI portlets and functions the users in the group are enabled to use





REPORT



QBE - Query by Example

Field Classes	Columns	Filters	Groups	Query Results	Result Properties
Product Database			Product Company	Product Category	
Customer			Product Department	Product Department	
Transaction			Product Family	Product Family	
Product Class			Product Subcategory	Product Subcategory	
Product Class Identifier			Store Sales	Store Sales	
Product Subcategory			Store Cost	Store Cost	
Product Category			Unit Sales	Unit Sales	
Product Department					
Product Family					
Store					
Product					
Annual Sales Fact					

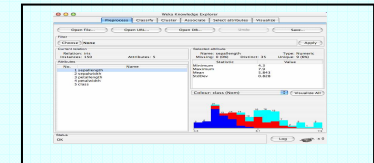
DASHBOARDS



OLAP

Product	Store	Unit Sales	Store Cost	Store Sales
Product	All Stores	841	298.20	1,500.11
Checkout	All Stores	1,770	779.32	3,797.71
Health and Hygiene	All Stores	16,294	4,651.99	30,571.88
Bathroom Products	All Stores	5,895	1,719.32	11,081.60
Canada				
USA				
USA	All Stores	1,770	779.32	3,797.71
Child Maintenance	All Stores	1,813	412.29	3,300.14
Decongestants	All Stores	2,556	245.28	6,082.45
Hygiene	All Stores	3,254	1,428.68	7,070.56
Pain Relievers	All Stores	27,230	8,933.05	60,469.89
Household	All Stores	4,294	1,333.51	9,006.76
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DATA MINING

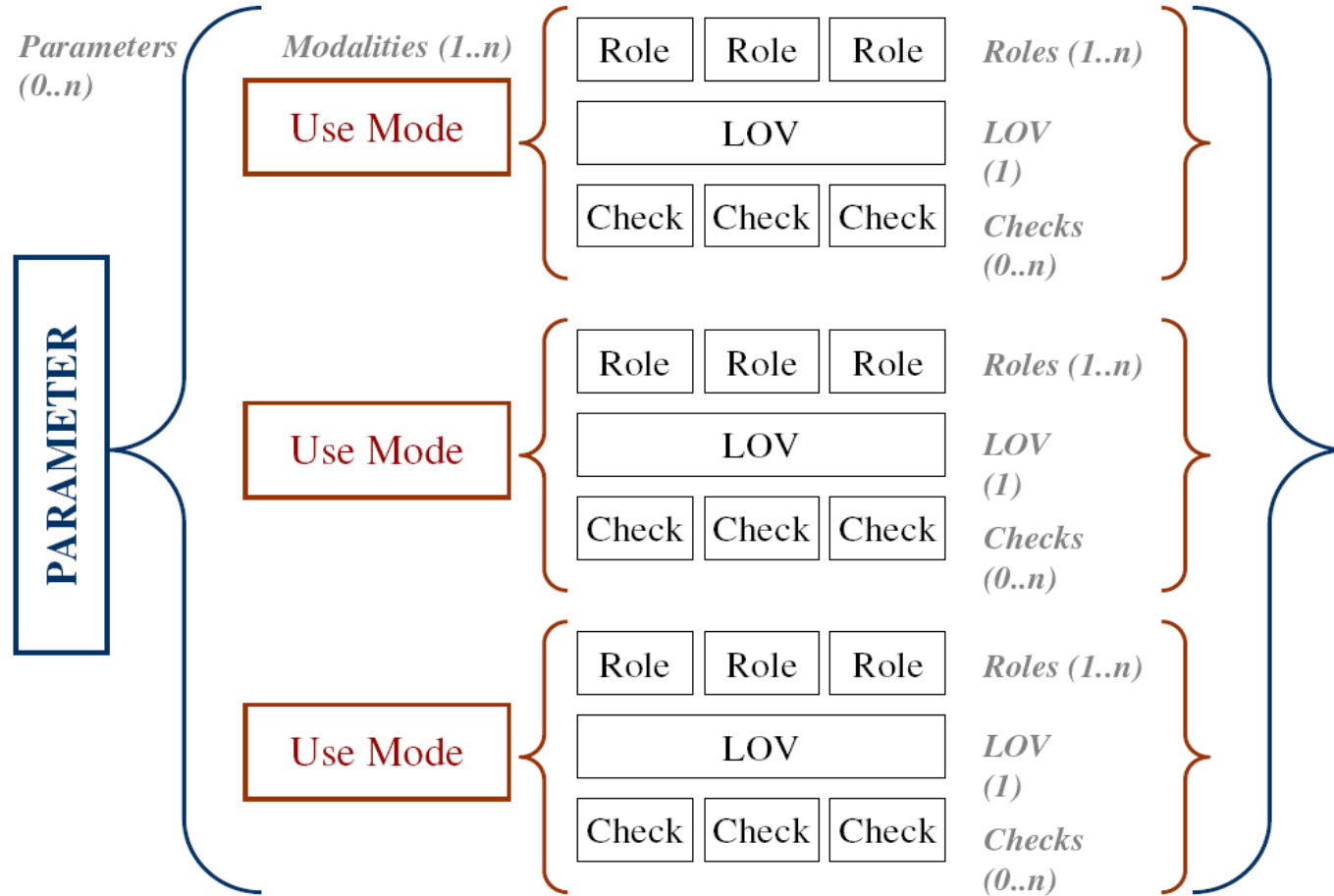


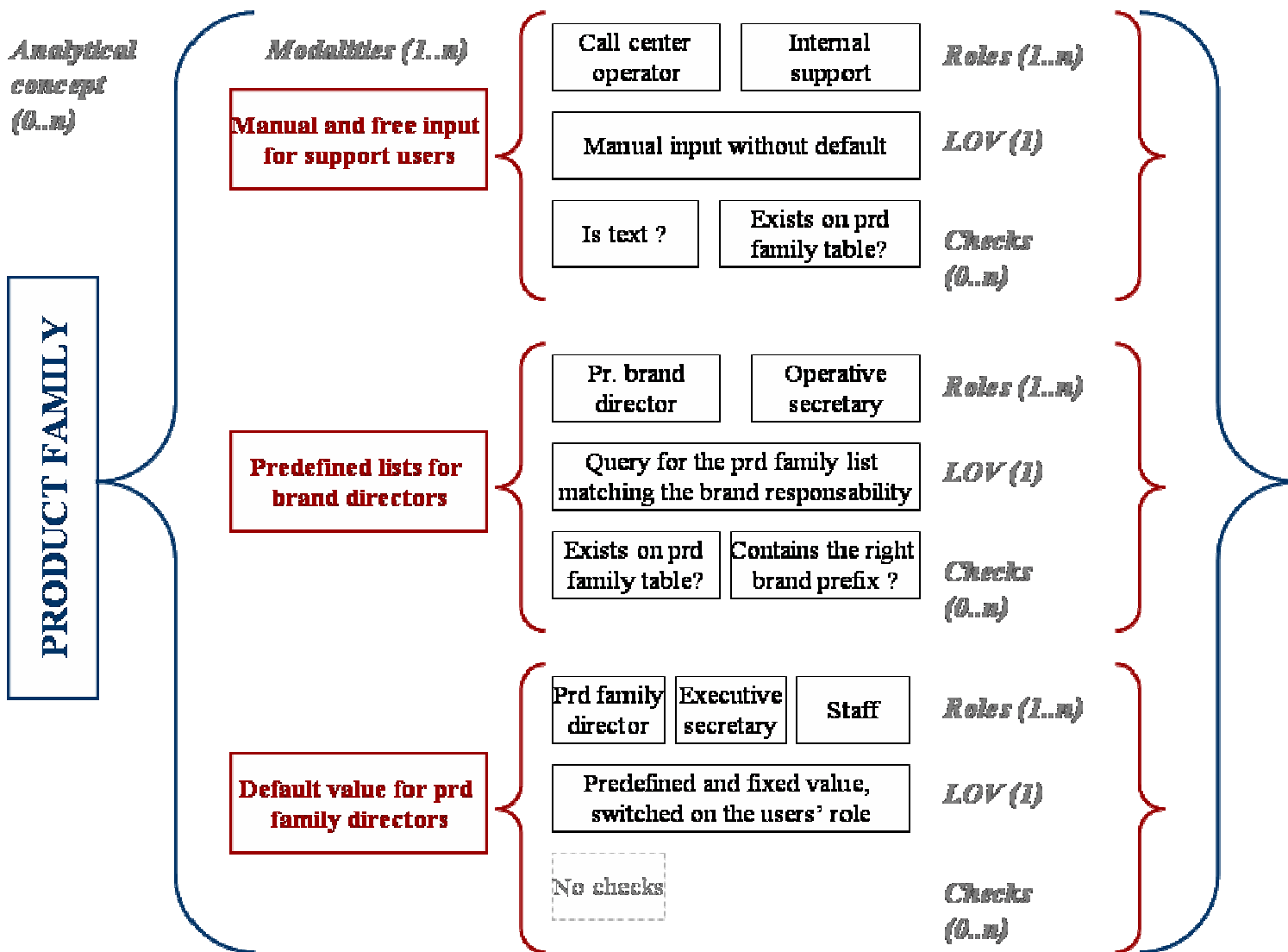
GEO



DOSSIER









Call center operator

Internal support

Pr. brand director

Operative secretary

Prd family director

Roles ...

An authenticated user chooses the analytical document to be executed

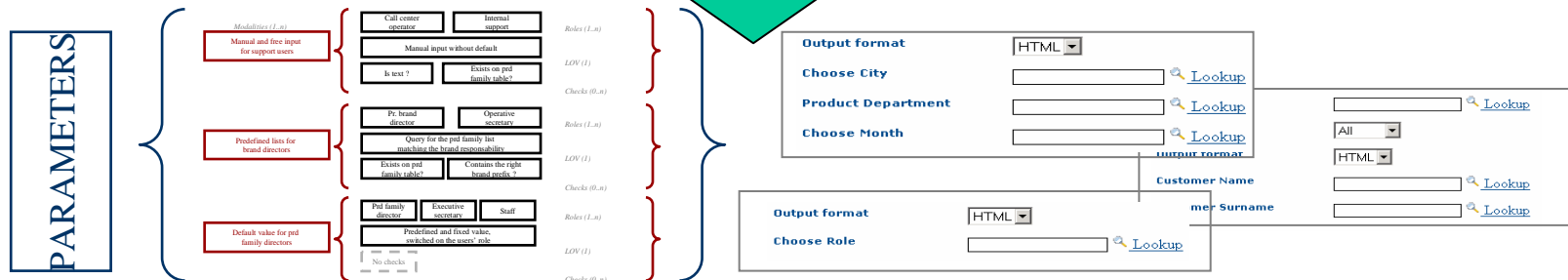
Analytical document
Structural configuration

Analytical document
Structural configuration

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Structural configuration

Analytical document
Structural configuration

The executive configuration of the analytical document is read and a page is produced for the input of the parameters according to the user's roles



The input values for the parameters are checked according to the user's roles and the final document is come back to the end-user

Analytical document
Data Mining
Structural configuration

Analytical document
OLAP
Structural configuration

Analytical document
Dashboard
Structural configuration

Analytical document
Report
Structural configuration

Main metric: Out of stock

Analysis metric:

- Adjustment
- Frequency of order
- Size of order
- Product cost (related to reorder level)
- Store employees (salary, education level)
- Time period
- Promotion on product

